US ERA ARCHIVE DOCUMENT

Table 1

MATERIALS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(In thousands of tons and percent of total generation)

				Thou	sands of	Tons			
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	29,990	44,310	55,160	72,730	87,740	84,070	87,550	85,130	85,290
Glass	6,720	12,740	15,130	13,100	12,620	12,570	12,650	12,760	13,200
Metals									
Ferrous	10,300	12,360	12,620	12,640	13,530	13,560	13,980	13,820	14,220
Aluminum	340	800	1,730	2,810	3,150	3,180	3,190	3,190	3,260
Other Nonferrous	180	670	1,160	1,100	1,560	1,570	1,640	1,670	1,650
Total Metals	10,820	13,830	15,510	16,550	18,240	18,310	18,810	18,680	19,130
Plastics	390	2,900	6,830	17,130	25,340	27,180	29,210	28,950	29,490
Rubber and Leather	1,840	2,970	4,200	5,790	6,530	6,660	6,690	6,670	6,540
Textiles	1,760	2,040	2,530	5,810	9,440	10,320	10,930	11,280	11,840
Wood	3,030	3,720	7,010	12,210	13,020	13,340	13,730	13,900	13,930
Other **	70	770	2,520	3,190	4,190	4,280	4,460	4,540	4,550
Total Materials in Products	54,620	83,280	108,890	146,510	177,120	176,730	184,030	181,910	183,970
Other Wastes									
Food Scraps	12,200	12,800	13,000	20,800	27,110	27,920	29,730	30,480	31,250
Yard Trimmings	20,000	23,200	27,500	35,000	30,530	31,160	31,770	32,070	32,400
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	58,700	61,140	62,660	65,150	66,240	67,370
Total MSW Generated - Weight	88,120	121,060	151,640	205,210	238,260	239,390	249,180	248,150	251,340
				Percent of	of Total G	eneration	1		
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	34.0%	36.6%	36.4%	35.4%	36.8%	35.1%	35.1%	34.3%	33.9%
Glass	7.6%	10.5%	10.0%	6.4%	5.3%	5.3%	5.1%	5.1%	5.3%
Metals									
Ferrous	11.7%	10.2%	8.3%	6.2%	5.7%	5.7%	5.6%	5.6%	5.7%
Aluminum	0.4%	0.7%	1.1%	1.4%	1.3%	1.3%	1.3%	1.3%	1.3%
Other Nonferrous	0.2%	0.6%	0.8%	0.5%	0.7%	0.7%	0.7%	0.7%	0.7%
Total Metals	12.3%	11.4%	10.2%	8.1%	7.7%	7.6%	7.5%	7.5%	7.6%
Plastics	0.4%	2.4%	4.5%	8.3%	10.6%	11.4%	11.7%	11.7%	11.7%
Rubber and Leather	2.1%	2.5%	2.8%	2.8%	2.7%	2.8%	2.7%	2.7%	2.6%
Textiles	2.0%	1.7%	1.7%	2.8%	4.0%	4.3%	4.4%	4.5%	4.7%
Wood	3.4%	3.1%	4.6%	6.0%	5.5%	5.6%	5.5%	5.6%	5.5%
Other **	0.1%	0.6%	1.7%	1.6%	1.8%	1.8%	1.8%	1.8%	1.8%
Total Materials in Products	62.0%	68.8%	71.8%	71.4%	74.3%	73.8%	73.9%	73.3%	73.2%
Other Wastes									
Food Scraps	13.8%	10.6%	8.6%	10.1%	11.4%	11.7%	11.9%	12.3%	12.4%
Yard Trimmings	22.7%	19.2%	18.1%	17.1%	12.8%	13.0%	12.7%	12.9%	12.9%
Miscellaneous Inorganic Wastes	1.5%	1.5%	1.5%	1.4%	1.5%	1.5%	1.5%	1.5%	1.5%
Total Other Mississ	38.0%	31.2%	28.2%	28.6%	25.7%	26.2%	26.1%	26.7%	26.8%
Total Other Wastes	30.070	01.270	20.270	20.070	_0,0	20.270	20.170	20.770	20.070

^{*} Generation before materials recovery or combustion. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

Details may not add to totals due to rounding.

^{**} Includes electrolytes in batteries and fluff pulp, feces, and urine in disposable diapers.

Table 2

RECOVERY* OF MUNICIPAL SOLID WASTE, 1960 TO 2006
(In thousands of tons and percent of generation of each material)

				Thou	usands of	Tons			
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	5,080	6,770	11,740	20,230	37,560	37,980	40,820	42,040	44,020
Glass	100	160	750	2,630	2,880	2,730	2,730	2,760	2,880
Metals									
Ferrous	50	150	370	2,230	4,610	4,910	5,100	4,930	5,080
Aluminum	Neg.	10	310	1,010	860	760	710	690	690
Other Nonferrous	Neg.	320	540	730	1,060	1,050	1,190	1,200	1,180
Total Metals	50	480	1,220	3,970	6,530	6,720	7,000	6,820	6,950
Plastics	Neg.	Neg.	20	370	1,480	1,480	1,720	1,760	2,040
Rubber and Leather	330	250	130	370	820	1,150	1,020	940	870
Textiles	50	60	160	660	1,320	1,510	1,760	1,800	1,810
Wood	Neg.	Neg.	Neg.	130	1,240	1,260	1,290	1,310	1,310
Other **	Neg.	300	500	680	980	990	1,120	1,140	1,130
Total Materials in Products	5,610	8,020	14,520	29,040	52,810	53,820	57,460	58,570	61,010
Other Wastes									
Food Scraps	Neg.	Neg.	Neg.	Neg.	680	740	660	690	680
Yard Trimmings	Neg.	Neg.	Neg.	4,200	15,770	16,000	19,810	19,860	20,100
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	4,200	16,450	16,740	20,470	20,550	20,780
Total MSW Recovered - Weight	5,610	8,020	14,520	33,240	69,260	70,560	77,930	79,120	81,790
			Perce	ent of Ge	neration o	of Each M	aterial		
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	16.9%	15.3%	21.3%	27.8%	42.8%	45.2%	46.6%	49.4%	51.6%
Glass	1.5%	1.3%	5.0%	20.1%	22.8%	21.7%	21.6%	21.6%	21.8%
Metals									
Ferrous	0.5%	1.2%	2.9%	17.6%	34.1%	36.2%	36.5%	35.7%	35.7%
Aluminum	Neg.	1.3%	17.9%	35.9%	27.3%	23.9%	22.3%	21.6%	21.2%
Other Nonferrous	Neg.	47.8%	46.6%	66.4%	67.9%	66.9%	72.6%	71.9%	71.5%
Total Metals	0.5%	3.5%	7.9%	24.0%	35.8%	36.7%	37.2%	36.5%	36.3%
Plastics	Neg.	Neg.	0.3%	2.2%	5.8%	5.4%	5.9%	6.1%	6.9%
Rubber and Leather	17.9%	8.4%	3.1%	6.4%	12.6%	17.3%	15.2%	14.1%	13.3%
Textiles	2.8%	2.9%	6.3%	11.4%	14.0%	14.6%	16.1%	16.0%	15.3%
Wood	Neg.	Neg.	Neg.	1.1%	9.5%	9.4%	9.4%	9.4%	9.4%
Other **	Neg.	39.0%	19.8%	21.3%	23.4%	23.1%	25.1%	25.1%	24.8%
Total Materials in Products	10.3%	9.6%	13.3%	19.8%	29.8%	30.5%	31.2%	32.2%	33.2%
Other Wastes									
Food, Other^	Neg.	Neg.	Neg.	Neg.	2.5%	2.7%	2.2%	2.3%	2.2%
Yard Trimmings	Neg.	Neg.	Neg.	12.0%	51.7%	51.3%	62.4%	61.9%	62.0%
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	7.2%	26.9%	26.7%	31.4%	31.0%	30.8%
Total MSW Recovered - %	6.4%	6.6%	9.6%	16.2%	29.1%	29.5%	31.3%	31.9%	32.5%

^{*} Recovery of postconsumer wastes; does not include converting/fabrication scrap.

^{**} Recovery of electrolytes in batteries; probably not recycled. Neg. = Less than 5,000 tons or 0.05 percent.

[^] Includes recovery of paper for composting.

Details may not add to totals due to rounding.

Source: Franklin Associates, A Division of ERG

Table 3

MATERIALS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(In thousands of tons and percent of total discards)

			Thou	sands of	Tons				
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	24,910	37,540	43,420	52,500	50,180	46,090	46,730	43,090	41,270
Glass	6,620	12,580	14,380	10,470	9,740	9,840	9,920	10,000	10,320
Metals									
Ferrous	10,250	12,210	12,250	10,410	8,920	8,650	8,880	8,890	9,140
Aluminum	340	790	1,420	1,800	2,290	2,420	2,480	2,500	2,570
Other Nonferrous	180	350	620	370	500	520	450	470	470
Total Metals	10,770	13,350	14,290	12,580	11,710	11,590	11,810	11,860	12,180
Plastics	390	2,900	6,810	16,760	23,860	25,700	27,490	27,190	27,450
Rubber and Leather	1,510	2,720	4,070	5,420	5,710	5,510	5,670	5,730	5,670
Textiles	1,710	1,980	2,370	5,150	8,120	8,810	9,170	9,480	10,030
Wood	3,030	3,720	7,010	12,080	11,780	12,080	12,440	12,590	12,620
Other **	70	470	2,020	2,510	3,210	3,290	3,340	3,400	3,420
Total Materials in Products	49,010	75,260	94,370	117,470	124,310	122,910	126,570	123,340	122,960
Other Wastes									
Food Scraps	12,200	12,800	13,000	20,800	26,430	27,180	29,070	29,790	30,570
Yard Trimmings	20,000	23,200	27,500	30,800	14,760	15,160	11,960	12,210	12,300
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	54,500	44,690	45,920	44,680	45,690	46,590
Total MSW Discarded - Weight	82,510	113,040	137,120	171,970	169,000	168,830	171,250	169,030	169,550
			Percent	of Total D	Discards				
Materials	1960	1970	1980	1990	2000	2002	2004	2005	2006
Paper and Paperboard	30.2%	33.2%	31.7%	30.5%	29.7%	27.3%	27.3%	25.5%	24.3%
Glass	8.0%	11.1%	10.5%	6.1%	5.8%	5.8%	5.8%	5.9%	6.1%
Metals									
Ferrous	12.4%	10.8%	8.9%	6.1%	5.3%	5.1%	5.2%	5.3%	5.4%
Aluminum	0.4%	0.7%	1.0%	1.0%	1.4%	1.4%	1.4%	1.5%	1.5%
Other Nonferrous	0.2%	0.3%	0.5%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%
Total Metals	13.1%	11.8%	10.4%	7.3%	6.9%	6.9%	6.9%	7.0%	7.2%
Plastics	0.5%	2.6%	5.0%	9.7%	14.1%	15.2%	16.1%	16.1%	16.2%
Rubber and Leather	1.8%	2.4%	3.0%	3.2%	3.4%	3.3%	3.3%	3.4%	3.3%
Textiles	2.1%	1.8%	1.7%	3.0%	4.8%	5.2%	5.4%	5.6%	5.9%
Wood	3.7%	3.3%	5.1%	7.0%	7.0%	7.2%	7.3%	7.4%	7.4%
Other **	0.1%	0.4%	1.5%	1.5%	1.9%	1.9%	2.0%	2.0%	2.0%
Total Materials in Products	59.4%	66.6%	68.8%	68.3%	73.6%	72.8%	73.9%	73.0%	72.5%
Other Wastes									
Food Scraps	14.8%	11.3%	9.5%	12.1%	15.6%	16.1%	17.0%	17.6%	18.0%
Yard Trimmings	24.2%	20.5%	20.1%	17.9%	8.7%	9.0%	7.0%	7.2%	7.3%
Miscellaneous Inorganic Wastes	1.6%	1.6%	1.6%	1.7%	2.1%	2.1%	2.1%	2.2%	2.2%
Total Other Wastes	40.6%	33.4%	31.2%	31.7%	26.4%	27.2%	26.1%	27.0%	27.5%
Total MSW Discarded - %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

^{**} Includes electrolytes in batteries and fluff pulp, feces, and urine in disposable diapers. Details may not add to totals due to rounding.

Table 4

PAPER AND PAPERBOARD PRODUCTS IN MSW, 2006
(In thousands of tons and percent of generation)

	Generation	Reco	overy	Discards		
	(Thousand	(Thousand	(Percent of	(Thousand		
Product Category	tons)	tons)	generation)	tons)		
Nondurable Goods						
Newspapers						
Newsprint	8,830	7,780	88.1%	1,050		
Groundwood inserts	3,530	3,090	87.5%	440		
Total Newspapers	12,360	10,870	87.9%	1,490		
Books	1,130	290	25.7%	840		
Magazines	2,570	1,040	40.5%	1,530		
Office-type Papers*	6,320	4,150	65.7%	2,170		
Telephone Directories	680	130	19.1%	550		
Standard Mail**	5,890	2,280	38.7%	3,610		
Other Commercial Printing	6,630	1,400	21.1%	5,230		
Tissue Paper and Towels	3,430	Neg.	Neg.	3,430		
Paper Plates and Cups	1,180	Neg.	Neg.	1,180		
Other Nonpackaging Paper***	4,650	Neg.	Neg.	4,650		
Total Paper and Paperboard						
Nondurable Goods	44,840	20,160	45.0%	24,680		
Containers and Packaging						
Corrugated Boxes	31,430	22,630	72.0%	8,800		
Milk Cartons	510	Neg.	Neg.	510		
Folding Cartons	5,570	890	16.0%	4,680		
Other Paperboard Packaging	160	Neg.	Neg.	160		
Bags and Sacks	1,340	340	25.4%	1,000		
Other Paper Packaging	1,430	Neg.	Neg.	1,430		
Total Paper and Paperboard						
Containers and Packaging	40,440	23,860	59.0%	16,580		
Total Paper and Paperboard	85,280	44,020	51.6%	41,260		

^{*} High-grade papers such as copy paper and printer paper; both residential and commercial.

Table 4 does not include 10,000 tons of paper used in durable goods (Table 1).

Neg. = Less than 5,000 tons or 0.05 percent.

Details may not add to totals due to rounding.

^{**} Formerly called Third Class Mail by the U.S. Postal Service.

^{***} Includes tissue in disposable diapers, paper in games and novelties, cards, etc.

Table 5

GLASS PRODUCTS IN MSW, 2006
(In thousands of tons and percent of generation)

	Generation	Rec	overy	Discards
Product Category	(Thousand tons)	(Thousand tons)	(Percent of generation)	(Thousand tons)
Durable Goods*	1,810	Neg.	Neg.	1,810
Containers and Packaging				
Beer and Soft Drink Bottles	7,500	2,300	30.7%	5,200
Wine and Liquor Bottles	1,670	250	15.0%	1,420
Food and Other Bottles and Jars	2,220	330	14.9%	1,890
Total Glass Containers	11,390	2,880	25.3%	8,510
Total Glass	13,200	2,880	21.8%	10,320

^{*} Glass as a component of appliances, furniture, consumer electronics, etc.

Neg. = Less than 5,000 tons or 0.05 percent.

Details may not add to totals due to rounding.

Table 6
METAL PRODUCTS IN MSW, 2006
(In thousands of tons and percent of generation)

Product Category (Thousand tons) (Thousand tons) (Percent of tons) (Thousand tons) Durable Goods Ferrous metals* 11,470 3,340 29.1% 8,130 Aluminum** 1,100 Neg. Neg. 1,100 Lead† 1,190 1,180 99.2% 10 Other nonferrous metals‡ 460 Neg. Neg. 460 Total Metals in Durable Goods 14,220 4,520 31.8% 9,700
Durable Goods Ferrous metals* 11,470 3,340 29.1% 8,130 Aluminum** 1,100 Neg. Neg. 1,100 Lead† 1,190 1,180 99.2% 10 Other nonferrous metals‡ 460 Neg. Neg. 460
Ferrous metals* 11,470 3,340 29.1% 8,130 Aluminum** 1,100 Neg. Neg. 1,100 Lead† 1,190 1,180 99.2% 10 Other nonferrous metals‡ 460 Neg. Neg. 460
Aluminum** 1,100 Neg. Neg. 1,100 Lead† 1,190 1,180 99.2% 10 Other nonferrous metals‡ 460 Neg. Neg. 460
Lead† 1,190 1,180 99.2% 10 Other nonferrous metals‡ 460 Neg. Neg. 460
Other nonferrous metals‡ 460 Neg. Neg. 460
Total Metals in Durable Goods 14,220 4,520 31.8% 9,700
Nondurable Goods
Aluminum 220 Neg. Neg. 220
Containers and Packaging
Steel
Food and other cans 2,510 1,580 62.9% 930
Other steel packaging 240 160 66.7% 80
Total Steel Packaging 2,750 1,740 63.3% 1,010
Aluminum
Beer and soft drink cans 1,440 650 45.1% 790
Food and other cans 80 Neg. Neg. 80
Foil and closures 420 40 9.5% 380
Total Aluminum Packaging 1,940 690 35.6% 1,250
Total Metals in
Containers and Packaging 4,690 2,430 51.8% 2,260
<i>Total Metals</i> 19,130 6,950 36.3% 12,180
Ferrous 14,220 5,080 35.7% 9,140
Aluminum 3,260 690 21.2% 2,570
Other nonferrous 1,650 1,180 71.5% 470

^{*} Ferrous metals (iron and steel) in appliances, furniture, tires, and miscellaneous durables.

Neg. = Less than 5,000 tons or 0.05 percent.

Details may not add to totals due to rounding.

^{**} Aluminum in appliances, furniture, and miscellaneous durables.

[†] Lead in lead-acid batteries.

[‡] Other nonferrous metals in appliances and miscellaneous durables.

Table 7 PLASTICS IN PRODUCTS IN MSW, 2006 (In thousands of tons, and percent of generation by resin)

,	Generation	Reco	Discards	
	(Thousand	(Thousand	(Percent	(Thousand
Product Category	tons)	tons)	of Gen.)	tons)
Durable Goods				
PET	470			
HDPE	650			
PVC	520			
LDPE/LLDPE	760			
PP	1,420			
PS	740			
Other resins	4,230			
Total Plastics in Durable Goods	8,790	530	6.0%	8,260
	0,770	330	0.070	0,200
Nondurable Goods				
Plastic Plates and Cups				
LDPE/LLDPE	20			20
PS	870	Neg.		870
Subtotal Plastic Plates and Cups	890			890
Trash Bags				
HDPE	290			290
LDPE/LLDPE	790			790
Subtotal Trash Bags	1,080			1,080
All other nondurables*				
PET	250			250
HDPE	420			420
PVC	670			670
LDPE/LLDPE	1,600			1,600
PP	880			880
PS	590			590
Other resins	90			90
Subtotal All Other Nondurables	4,500			4,500
	1,500			1,500
Total Plastics in Nondurable Goods, by resin PET	250			250
HDPE	710			710
PVC	670			670
LDPE/LLDPE	2,410			2,410
PP	880			880
PS	1,460			1,460
Other resins	90			90
Total Plastics in Nondurable Goods	6,470	Neg.	Neg.	6,470
Plastic Containers & Packaging				
Soft drink bottles				
PET	940	290	30.9%	650
Milk and water bottles				
HDPE	710	220	31.0%	490
HDPE = High density polyethylene		ylene terephthala		
LDPE = Low density polyethylene	PP = Polyprop	yiene	PVC = Polyvir	iyi chloride

Details may not add to totals due to rounding.

LLDPE = Linear low density polyethylene

^{*} All other nondurables include plastics in disposable diapers, clothing, footwear, etc.

^{**} Other plastic packaging includes coatings, closures, caps, trays, shapes, etc.

Table 7 (continued)

PLASTICS IN PRODUCTS IN MSW, 2006

(In thousands of tons, and percent of generation by resin) $% \left(\frac{1}{2}\right) =\left(\frac{1}{2}\right) \left(\frac{1$

	Generation	Reco	very	Discards
	(Thousand	(Thousand	(Percent	(Thousand
Product Category	tons)	tons)	of Gen.)	tons)
Plastic Containers & Packaging, cont.				
Other plastic containers				
PET	1,150	210		940
HDPE	1,560	240		1,320
PVC	100			100
LDPE/LLDPE	50			50
PP	80	10		80
PS	0			0
Other resins	490			490
Subtotal Other Containers	3,430	460	13.4%	2,970
Bags, sacks, & wraps				
HDPE	850	80		770
PVC	70	00		70
LDPE/LLDPE	2,800	280		2,520
PP	710	200		710
PS	0			0
Other resins	200			200
Subtotal Bags, Sacks, & Wraps	4,630	360	7.8%	4,270
•	.,050	200	7.070	.,270
Other Plastics Packaging**	250	120		120
PET	250	120		130
HDPE	1,560	40		1,520
PVC	310			310
LDPE/LLDPE	540	10		540
PP	960	10		950
PS	350	10		340
Other resins	550	100	4.00/	550
Subtotal Other Packaging	4,520	180	4.0%	4,340
Total Plastics in Containers & Packaging, by I	esin			
PET	2,340	620		1,720
HDPE	4,680	580		4,100
PVC	480			480
LDPE/LLDPE	3,390	280		3,110
PP	1,750	20		1,730
PS	350	10		340
Other resins	1,240			1,240
Total Plastics in Cont. & Packaging	14,230	1,510	10.6%	12,720
Total Plastics in MSW, by resin				
PET	3,060	620		2,440
HDPE	6,040	580		5,460
PVC	1,670			1,670
LDPE/LLDPE	6,560	280		6,280
PP	4,050	20		4,030
PS	2,550	10		2,540
Other resins	5,560	530		5,030
Total Plastics in MSW	29,490	2,040	6.9%	27,450
HDPE = High density polyethylene	•	lene terephthalat		
LDPE = Low density polyethylene	PP = Polypropy	-	PVC = Polyvin	

LDPE = Low density polyethylene

Some detail of recovery by resin omitted due to lack of data.

This table understates the recovery of plastics due to the dispersed nature of plastics recycling activities.

PP = Polypropylene PVC = Polyvinyl chloridation PVC = Polyvinyl chloridation PVC = Polypropylene

LLDPE = Linear low density polyethylene

st All other nondurables include plastics in disposable diapers, clothing, footwear, etc.

 $[\]ast\ast$ Other plastic packaging includes coatings, closures, caps, trays, shapes, etc.

Table 8

RUBBER AND LEATHER PRODUCTS IN MSW, 2006
(In thousands of tons and percent of generation)

	Generation	Reco	overy	Discards
-	(Thousand	(Thousand	(Percent of	(Thousand
Product Category	tons)	tons)	generation)	tons)
Durable Goods				
Rubber in Tires*	2,490	870	34.9%	1,620
Other Durables**	2,950	Neg.	Neg.	2,950
Total Rubber & Leather				
Durable Goods	5,440	870	16.0%	4,570
Nondurable Goods				
Clothing and Footwear	780	Neg.	Neg.	780
Other Nondurables	280	Neg.	Neg.	280
Total Rubber & Leather				
Nondurable Goods	1,060	Neg.	Neg.	1,060
Containers and Packaging	40	Neg.	Neg.	40
Total Rubber & Leather	6,540	870	13.3%	5,670

^{*} Automobile and truck tires. Does not include other materials in tires.

Neg. = Less than 5,000 tons or 0.05 percent.

Details may not add to totals due to rounding.

^{**} Includes carpets and rugs and other miscellaneous durables.

Table 9

CATEGORIES OF PRODUCTS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(In thousands of tons and percent of total generation)

					Thousan	ds of Ton	s				
Products	1960	1970	1980	1990	2000	2002	2003	2004	2005	2006	
Durable Goods	9,920	14,660	21,800	29,810	36,980	38,440	39,360	39,880	40,280	40,170	
(Detail in Table 12)											
Nondurable Goods	17,330	25,060	34,420	52,170	64,120	62,110	62,420	65,600	64,320	64,180	
(Detail in Table 15)											
Containers and Packaging	27,370	43,560	52,670	64,530	76,020	76,180	75,360	78,550	77,310	79,620	
(Detail in Table 18)											
Total Product** Wastes	54,620	83,280	108,890	146,510	177,120	176,730	177,140	184,030	181,910	183,970	
Other Wastes											
Food Scraps	12,200	12,800	13,000	20,800	27,110	27,920	28,820	29,730	30,480	31,250	
Yard Trimmings	20,000	23,200	27,500	35,000	30,530	31,160	31,470	31,770	32,070	32,400	
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,620	3,650	3,690	3,720	
Total Other Wastes	33,500	37,780	42,750	58,700	61,140	62,660	63,910	65,150	66,240	67,370	
Total MSW Generated - Weight	88,120	121,060	151,640	205,210	238,260	239,390	241,050	249,180	248,150	251,340	
	Percent of Total Generation										
Products	1960	1970	1980	1990	2000	2002	2003	2004	2005	2006	
Durable Goods	11.3%	12.1%	14.4%	14.5%	15.5%	16.1%	16.3%	16.0%	16.2%	16.0%	
(Detail in Table 12)											
Nondurable Goods	19.7%	20.7%	22.7%	25.4%	26.9%	25.9%	25.9%	26.3%	25.9%	25.5%	
(Detail in Table 15)											
Containers and Packaging	31.1%	36.0%	34.7%	31.4%	31.9%	31.8%	31.3%	31.5%	31.2%	31.7%	
(Detail in Table 19)											
Total Product** Wastes	62.0%	68.8%	71.8%	71.4%	74.3%	73.8%	73.5%	73.9%	73.3%	73.2%	
Other Wastes											
Food Scraps	13.8%	10.6%	8.6%	10.1%	11.4%	11.7%	12.0%	11.9%	12.3%	12.4%	
Yard Trimmings	22.7%	19.2%	18.1%	17.1%	12.8%	13.0%	13.1%	12.7%	12.9%	12.9%	
Miscellaneous Inorganic Wastes	1.5%	1.5%	1.5%	1.4%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	
Total Other Wastes	38.0%	31.2%	28.2%	28.6%	25.7%	26.2%	26.5%	26.1%	26.7%	26.8%	
Total MSW Generated - %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

^{*} Generation before materials recovery or combustion. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

Details may not add to totals due to rounding.
Source: Franklin Associates, A Division of ERG

^{**} Other than food products.

Table 10

RECOVERY* OF MUNICIPAL SOLID WASTE, 1960 TO 2006
(In thousands of tons and percent of generation of each category)

				Thou	usands of	Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2,006
Durable Goods	350	940	1,360	3,460	6,510	7,320	7,600	7,570	7,430
(Detail in Table 13)									
Nondurable Goods	2,390	3,730	4,670	8,800	17,560	17,680	20,070	20,400	21,590
(Detail in Table 16)									
Containers and Packaging	2,870	3,350	8,490	16,780	28,740	28,820	29,790	30,600	31,990
(Detail in Table 20)									
Total Product** Wastes	5,610	8,020	14,520	29,040	52,810	53,820	57,460	58,570	61,010
Other Wastes									
Food, Other^	Neg.	Neg.	Neg.	Neg.	680	740	660	690	680
Yard Trimmings	Neg.	Neg.	Neg.	4,200	15,770	16,000	19,810	19,860	20,100
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	4,200	16,450	16,740	20,470	20,550	20,780
Total MSW Recovered - Weight	5,610	8,020	14,520	33,240	69,260	70,560	77,930	79,120	81,790
			Perce	ent of Ger	eration o	f Each Ca	tegory		
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	3.5%	6.4%	6.2%	11.6%	17.6%	19.0%	19.1%	18.8%	18.5%
(Detail in Table 13)									
Nondurable Goods	13.8%	14.9%	13.6%	16.9%	27.4%	28.5%	30.6%	31.7%	33.6%
(Detail in Table 16)									
Containers and Packaging	10.5%	7.7%	16.1%	26.0%	37.8%	37.8%	37.9%	39.6%	40.2%
(Detail in Table 21)	40.00/	0.00/	40.00/	40.00/	00.00/	00.50/	04.00/	00.00/	00.00/
Total Product** Wastes Other Wastes	10.3%	9.6%	13.3%	19.8%	29.8%	30.5%	31.2%	32.2%	33.2%
Food, Other^	Neg.	Neg.	Neg.	Neg.	2.5%	2.7%	2.2%	2.3%	2.2%
Yard Trimmings	Neg.	Neg.	Neg.	12.0%	51.7%	51.3%	62.4%	61.9%	62.0%
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	7.2%	26.9%	26.7%	31.4%	31.0%	30.8%
Total MSW Recovered - %	6.4%	6.6%	9.6%	16.2%	29.1%	29.5%	31.3%	31.9%	32.5%

^{*} Recovery of postconsumer wastes; does not include converting/fabrication scrap.

^{**} Other than food products.

[^] Includes recovery of paper for composting.

Neg. = Less than 5,000 tons or 0.05 percent.

Details may not add to totals due to rounding.

Source: Franklin Associates, A Division of ERG

Table 11

CATEGORIES OF PRODUCTS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(In thousands of tons and percent of total discards)

				Thou	icando of	Tono			
Products	1960	1970	1980	1990	sands of 2000	2002	2004	2005	2006
Durable Goods	9,570	13,720	20,440	26,350	30,470	31,120	32,280	32,710	32,740
(Detail in Table 14)	,,,,,	,				01,120	,,		,
Nondurable Goods	14,940	21,330	29,750	43,370	46,560	44,430	45,530	43,920	42,590
(Detail in Table 17)									
Containers and Packaging	24,500	40,210	44,180	47,750	47,280	47,360	48,760	46,710	47,630
(Detail in Table 22)									
Total Product** Wastes	49,010	75,260	94,370	117,470	124,310	122,910	126,570	123,340	122,960
Other Wastes									
Food Wastes	12,200	12,800	13,000	20,800	26,430	27,180	29,070	29,790	30,570
Yard Trimmings	20,000	23,200	27,500	30,800	14,760	15,160	11,960	12,210	12,300
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	54,500	44,690	45,920	44,680	45,690	46,590
Total MSW Discarded - Weight	82,510	113,040	137,120	171,970	169,000	168,830	171,250	169,030	169,550
				Percent	of Total	Discards			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	11.6%	12.1%	14.9%	15.3%	18.0%	18.4%	18.8%	19.4%	19.3%
(Detail in Table 14)									
Nondurable Goods	18.1%	18.9%	21.7%	25.2%	27.6%	26.3%	26.6%	26.0%	25.1%
(Detail in Table 17)									
Containers and Packaging	29.7%	35.6%	32.2%	27.8%	28.0%	28.1%	28.5%	27.6%	28.1%
(Detail in Table 23)									
Total Product** Wastes	59.4%	66.6%	68.8%	68.3%	73.6%	72.8%	73.9%	73.0%	72.5%
Other Wastes	44.00/	44.007	0.50/	40.404	45.00/	40.407	47.00/	47.00/	40.00/
Food Scraps	14.8%	11.3%	9.5%	12.1%	15.6%	16.1%	17.0%	17.6%	18.0%
Yard Trimmings	24.2%	20.5%	20.1%	17.9%	8.7%	9.0%	7.0%	7.2%	7.3%
Miscellaneous Inorganic Wastes	1.6%	1.6%	1.6%	1.7%	2.1%	2.1%	2.1%	2.2%	2.2%
Total Other Wastes	40.6%	33.4%	31.2%	31.7%	26.4%	27.2%	26.1%	27.0%	27.5%

^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery.

Details may not add to totals due to rounding.
Source: Franklin Associates, A Division of ERG

Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

^{**} Other than food products.

Table 12

PRODUCTS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(WITH DETAIL ON DURABLE GOODS)

(In thousands of tons and percent of total generation)

				Thou	sands of	Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods									
Major Appliances	1,630	2,170	2,950	3,310	3,640	3,540	3,570	3,610	3,580
Small Appliances**	1,000	_,	_,,,,,	460	900	900	920	950	1,020
Furniture and Furnishings	2,150	2,830	4,760	6,790	7,990	8,240	8,640	8,870	9,100
Carpets and Rugs**	2,100	2,000	1,700	1,660	2,570	2,810	2,930	2,980	3,070
Rubber Tires	1,120	1,890	2,720	3,610	4,930	4,700	4,460	4,250	3,900
Batteries, lead acid	Neg.	820	1,490	1,510	2,280	2,290	2,450	2,490	2,470
Miscellaneous Durables	iveg.	020	1,430	1,510	2,200	2,230	2,430	2,430	2,470
Selected Consumer Electronics***					1,900	2,070	2,440	2,670	2,900
Other Miscellaneous Durables					12,770	13,890	14,470	14,460	14,130
Total Miscellaneous Durables	F 020	6.050	0.000	10 170	1 1				17,030
	5,020	6,950	9,880	12,470	14,670	15,960	16,910	17,130	
Total Durable Goods	9,920	14,660	21,800	29,810	36,980	38,440	39,880	40,280	40,170
Nondurable Goods	17,330	25,060	34,420	52,170	64,120	62,110	65,600	64,320	64,180
(Detail in Table 15)	l							l	
Containers and Packaging	27,370	43,560	52,670	64,530	76,020	76,180	78,550	77,310	79,620
(Detail in Table 18)									
Total Product Wastes†	54,620	83,280	108,890	146,510	177,120	176,730	184,030	181,910	183,970
Other Wastes									
Food Scraps	12,200	12,800	13,000	20,800	27,110	27,920	29,730	30,480	31,250
Yard Trimmings	20,000	23,200	27,500	35,000	30,530	31,160	31,770	32,070	32,400
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	58,700	61,140	62,660	65,150	66,240	67,370
Total MSW Generated - Weight	88,120	121,060	151,640	205,210	238,260	239,390	249,180	248,150	251,340
				Percent o	f Total Ge	eneration			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods									
Major Appliances	1.8%	1.8%	1.9%	1.6%	1.5%	1.5%	1.4%	1.5%	1.4%
Small Appliances**				0.2%	0.4%	0.4%	0.4%	0.4%	0.4%
Furniture and Furnishings	2.4%	2.3%	3.1%		3.4%	3.4%			3.6%
Carpets and Rugs**				1 3.3%			3.5%	3.0%	
				3.3% 0.8%			3.5% 1.2%	3.6% 1.2%	
Rubber Tires	1.3%	1.6%	1.8%	0.8%	1.1%	1.2%	1.2%	1.2%	1.2%
Rubber Tires Batteries Lead-Acid	1.3% Neg	1.6% 0.7%	1.8% 1.0%	0.8% 1.8%	1.1% 2.1%	1.2% 2.0%	1.2% 1.8%	1.2% 1.7%	1.2% 1.6%
Batteries, Lead-Acid	1.3% Neg.	1.6% 0.7%	1.8% 1.0%	0.8%	1.1%	1.2%	1.2%	1.2%	1.2%
Batteries, Lead-Acid Miscellaneous Durables				0.8% 1.8%	1.1% 2.1% 1.0%	1.2% 2.0% 1.0%	1.2% 1.8% 1.0%	1.2% 1.7% 1.0%	1.2% 1.6% 1.0%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics***				0.8% 1.8%	1.1% 2.1% 1.0% 0.8%	1.2% 2.0% 1.0% 0.9%	1.2% 1.8% 1.0%	1.2% 1.7% 1.0% 1.1%	1.2% 1.6% 1.0%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables	Neg.	0.7%	1.0%	0.8% 1.8% 0.7%	1.1% 2.1% 1.0% 0.8% 5.4%	1.2% 2.0% 1.0% 0.9% 5.8%	1.2% 1.8% 1.0% 1.0% 5.8%	1.2% 1.7% 1.0% 1.1% 5.8%	1.2% 1.6% 1.0% 1.2% 5.6%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables	Neg. 5.7%	0.7% 5.7%	1.0% 6.5%	0.8% 1.8% 0.7%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods	Neg. 5.7% 11.3%	0.7% 5.7% 12.1%	1.0% 6.5% 14.4%	0.8% 1.8% 0.7% 6.1% 14.5%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods	Neg. 5.7%	0.7% 5.7%	1.0% 6.5%	0.8% 1.8% 0.7%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15)	5.7% 11.3% 19.7%	5.7% 12.1% 20.7%	1.0% 6.5% 14.4% 22.7%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging	Neg. 5.7% 11.3%	0.7% 5.7% 12.1%	1.0% 6.5% 14.4%	0.8% 1.8% 0.7% 6.1% 14.5%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19)	5.7% 11.3% 19.7% 31.1%	5.7% 12.1% 20.7% 36.0%	1.0% 6.5% 14.4% 22.7% 34.7%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4% 31.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9% 31.9%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9% 31.8%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3% 31.5%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9% 31.2%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5% 31.7%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19) Total Product Wastes†	5.7% 11.3% 19.7%	5.7% 12.1% 20.7%	1.0% 6.5% 14.4% 22.7%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19) Total Product Wastes† Other Wastes	5.7% 11.3% 19.7% 31.1% 62.0%	5.7% 12.1% 20.7% 36.0% 68.8%	1.0% 6.5% 14.4% 22.7% 34.7% 71.8%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4% 31.4% 71.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9% 31.9%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9% 31.8%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3% 31.5%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9% 31.2%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5% 31.7% 73.2%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19) Total Product Wastes† Other Wastes Food Scraps	5.7% 11.3% 19.7% 31.1% 62.0% 13.8%	0.7% 5.7% 12.1% 20.7% 36.0% 68.8% 10.6%	1.0% 6.5% 14.4% 22.7% 34.7% 71.8% 8.6%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4% 31.4% 71.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9% 31.9% 74.3%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9% 31.8% 73.8%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3% 31.5% 73.9%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9% 31.2% 73.3%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5% 31.7% 73.2%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19) Total Product Wastes† Other Wastes Food Scraps Yard Trimmings	5.7% 11.3% 19.7% 31.1% 62.0% 13.8% 22.7%	5.7% 12.1% 20.7% 36.0% 68.8% 10.6% 19.2%	1.0% 6.5% 14.4% 22.7% 34.7% 71.8% 8.6% 18.1%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4% 31.4% 71.4% 10.1% 17.1%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9% 31.9% 74.3%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9% 31.8% 73.8%	1.2% 1.8% 1.0% 5.8% 6.8% 16.0% 26.3% 31.5% 73.9%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9% 31.2% 73.3% 12.3% 12.3%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5% 31.7% 73.2% 12.4% 12.9%
Batteries, Lead-Acid Miscellaneous Durables Selected Consumer Electronics*** Other Miscellaneous Durables Total Miscellaneous Durables Total Durable Goods Nondurable Goods (Detail in Table 15) Containers and Packaging (Detail in Table 19) Total Product Wastes† Other Wastes Food Scraps	5.7% 11.3% 19.7% 31.1% 62.0% 13.8%	0.7% 5.7% 12.1% 20.7% 36.0% 68.8% 10.6%	1.0% 6.5% 14.4% 22.7% 34.7% 71.8% 8.6%	0.8% 1.8% 0.7% 6.1% 14.5% 25.4% 31.4% 71.4%	1.1% 2.1% 1.0% 0.8% 5.4% 6.2% 15.5% 26.9% 31.9% 74.3%	1.2% 2.0% 1.0% 0.9% 5.8% 6.7% 16.1% 25.9% 31.8% 73.8%	1.2% 1.8% 1.0% 1.0% 5.8% 6.8% 16.0% 26.3% 31.5% 73.9%	1.2% 1.7% 1.0% 1.1% 5.8% 6.9% 16.2% 25.9% 31.2% 73.3%	1.2% 1.6% 1.0% 1.2% 5.6% 6.8% 16.0% 25.5% 31.7% 73.2%

^{*} Generation before materials recovery or combustion. Does not include construction & demolition debris, industrial process wastes, or certain other wastes. Details may not add to totals due to rounding.

Neg. = Less than 5,000 tons or 0.05 percent.

^{**} Not estimated separately prior to 1990.

^{***} Not estimated separately prior to 1999. Preliminary data; may undergo revision.

[†] Other than food products.

Table 13 RECOVERY* OF PRODUCTS IN MUNICIPAL SOLID WASTE, 1960 TO 2006 (WITH DETAIL ON DURABLE GOODS) (In thousands of tons and percent of generation of each product)

Thousands of Tons Products 1960 1970 1980 1990 2000 2002 2004 2005 2006 **Durable Goods** Major Appliances 10 50 130 1,070 2,000 2,290 2,390 2,420 2,410 Small Appliances** 10 20 20 10 10 10 Furniture and Furnishings Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. Carpets and Rugs** 250 250 Neg. 190 160 210 **Rubber Tires** 330 250 150 440 1,290 1,790 1,590 1,470 1,360 Batteries, lead acid Neg. 620 1,040 1,470 2,130 2,140 2,430 2,470 2,450 Miscellaneous Durables Selected Consumer Electronics*** 190 250 340 360 330 Other Miscellaneous Durables 690 630 590 620 670 Total Miscellaneous Durables 470 880 920 970 950 950 20 40 Total Durable Goods 350 940 1,360 3,460 6,510 7,320 7,600 7,570 7,430 Nondurable Goods 2,390 3,730 4,670 8,800 17,560 17,680 20,070 20,400 21,590 (Detail in Table 16) Containers and Packaging 2,870 3,350 8,490 16,780 28,740 28,820 29,790 30,600 31,990 (Detail in Table 20) Total Product Wastes† 5,610 8,020 29,040 52,810 53,820 57,460 58,570 61,010 14,520 Other Wastes Food Scraps 680 740 660 690 680 Neg. Neg. Neg. Neg. Yard Trimmings Neg. 16,000 19,810 19,860 Neg. Neg. 4,200 15,770 20,100 Miscellaneous Inorganic Wastes Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. **Total Other Wastes** 20.470 20,550 Neg. Neg. Neg. 4,200 16.450 16.740 20,780 Total MSW Recovered - Weight 5.610 8.020 14.520 33.240 69.260 70.560 77,930 81,790 79,120 Percent of Generation of Each Product Products 1960 1970 1980 1990 2000 2002 2004 2005 2006 **Durable Goods** Major Appliances 0.6% 2.3% 4.4% 32.3% 54.9% 64.7% 66.9% 67.0% 67.3% Small Appliances** 2.2% 2.2% 2.2% 1.1% 1.1% 1.0% Neg. Neg. Furniture and Furnishings Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. Carpets and Rugs** 7.4% 5.7% 7.2% 8.4% 8.1% **Rubber Tires** 29.5% 13.2% 5.5% 12.2% 26.2% 38.1% 35.7% 34.6% 34.9% 75.6% Batteries, Lead-Acid 69.8% 97.4% 93.4% 93.4% 99.2% 99.2% 99.2% Neg. Miscellaneous Durables Selected Consumer Electronics*** 10.0% 12.1% 13.9% 13.5% 11.4% Other Miscellaneous Durables 5.4% 4.8% 4.4% 4.1% 4.4% Total Miscellaneous Durables 0.2% 0.3% 0.4% 3.8% 6.0% 5.8% 5.7% 5.5% 5.6% **Total Durable Goods** 3.5% 6.4% 6.2% 11.6% 17.6% 19.0% 19.1% 18.8% 18.5% **Nondurable Goods** 13.8% 14.9% 13.6% 16.9% 27.4% 28.5% 30.6% 31.7% 33.6% (Detail in Table 16) Containers and Packaging 26.0% 37.8% 10.5% 7.7% 16.1% 37.8% 37.9% 39.6% 40.2% (Detail in Table 21) Total Product Wastes† 10.3% 9.6% 13.3% 19.8% 29.8% 30.5% 31.2% 32.2% 33.2% Other Wastes Food Scraps 2.5% 2.7% 2.2% 2.3% 2.2% Neg. Neg. Neg. Neg. Yard Trimmings 12.0% 51.7% 51.3% 62.4% 61.9% 62.0% Neg. Neg. Neg. Miscellaneous Inorganic Wastes Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. Neg. **Total Other Wastes** 30.8% Neg. Neg. Neg. 7.2% 26.9% 26.7% 31.4% 31.0% Total MSW Recovered - %

9.6%

16.2%

6.6%

29.5%

31.3%

31.9%

32.5%

29.1%

Neg. = Less than 5,000 tons or 0.05 percent. Details may not add to totals due to rounding. Source: Franklin Associates, A Division of ERG

6.4%

^{*} Recovery of postconsumer wastes; does not include converting/fabrication scrap.

^{**} Not estimated separately prior to 1990. *** Not estimated separately prior to 1999.

[†] Other than food products.

Table 14

PRODUCTS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006
(WITH DETAIL ON DURABLE GOODS)
(In thousands of tons and percent of total discards)

				Tho	usands o	f Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	•	•	•						
Major Appliances	1,620	2,120	2,820	2,240	1,640	1,250	1,180	1,190	1,170
Small Appliances**				450	880	880	910	940	1,010
Furniture and Furnishings	2,150	2,830	4,760	6,790	7,990	8,240	8,640	8,870	9,100
Carpets and Rugs**				1,660	2,380	2,650	2,720	2,730	2,820
Rubber Tires	790	1,640	2,570	3,170	3,640	2,910	2,870	2,780	2,540
Batteries, lead acid	Neg.	200	450	40	150	150	20	20	20
Miscellaneous Durables	_								
Selected Consumer Electronics***					1,710	1,820	2,100	2,310	2,570
Other Miscellaneous Durables					12,080	13,220	13,840	13,870	13,510
Total Miscellaneous Durables	5,010	6,930	9,840	12,000	13,790	15,040	15,940	16,180	16,080
Total Durable Goods	9,570	13,720	20,440	26,350	30,470	31,120	32,280	32,710	32,740
Nondurable Goods	14,940	21,330	29,750	43,370	46,560	44,430	45,530	43,920	42,590
(Detail in Table 17)	,	,	· ·	· ·	· ·	· ·	· ·	,	,
Containers and Packaging	24,500	40,210	44,180	47,750	47,280	47,360	48,760	46,710	47,630
(Detail in Table 22)	,		,	,	,	,			,
Total Product Wastes†	49,010	75,260	94,370	117,470	124,310	122,910	126,570	123,340	122,960
Other Wastes	10,010		,,,,,,	, •		,,,,,,,	,	,	,
Food Scraps	12,200	12,800	13,000	20,800	26,430	27,180	29,070	29,790	30,570
Yard Trimmings	20,000	23,200	27,500	30,800	14,760	15,160	11,960	12,210	12,300
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	54,500	44,690	45,920	44,680	45,690	46,590
Total MSW Discarded - Weight	82,510	113,040	137,120	171,970	169,000	168,830	171,250	169,030	169,550
	02,010	1 ,	•	cent of To	•		,	,	,
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods								!	
Major Appliances	2.0%	1.9%	2.1%	1.3%	1.0%	0.7%	0.7%	0.7%	0.7%
Small Appliances**				0.3%	0.5%	0.5%	0.5%	0.6%	0.6%
Furniture and Furnishings	2.6%	2.5%	3.5%	3.9%	4.7%	4.9%	5.0%	5.2%	5.4%
Carpets and Rugs**				1.0%	1.4%	1.6%	1.6%	1.6%	1.7%
Rubber Tires	1.0%	1.5%	1.9%	1.8%	2.2%	1.7%	1.7%	1.6%	1.5%
Batteries, Lead-Acid	Neg.	0.2%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%
Miscellaneous Durables									
Selected Consumer Electronics***					1.0%	1.1%	1.2%	1.4%	1.5%
Other Miscellaneous Durables					7.1%	7.8%	8.1%	8.2%	8.0%
Total Miscellaneous Durables	6.1%	6.1%	7.2%	7.0%	8.2%	8.9%	9.3%	9.6%	9.5%
Total Durable Goods	11.6%	12.1%	14.9%	15.3%	18.0%	18.4%	18.8%	19.4%	19.3%
Nondurable Goods	18.1%	18.9%	21.7%	25.2%	27.6%	26.3%	26.6%	26.0%	25.1%
(Detail in Table 17)									2,0
Containers and Packaging	29.7%	35.6%	32.2%	27.8%	28.0%	28.1%	28.5%	27.6%	28.1%
(Detail in Table 23)			-=.=,3	=:.0,3	==:0,3	==:,] ==:0,3	,	_370
Total Product Wastes†	59.4%	66.6%	68.8%	68.3%	73.6%	72.8%	73.9%	73.0%	72.5%
Other Wastes	-5,				1.0,3		1.0,5		/0
Food Scraps	14.8%	11.3%	9.5%	12.1%	15.6%	16.1%	17.0%	17.6%	18.0%
Yard Trimmings	24.2%	20.5%	20.1%	17.9%	8.7%	9.0%	7.0%	7.2%	7.3%
Miscellaneous Inorganic Wastes	1.6%	1.6%	1.6%	1.7%	2.1%	2.1%	2.1%	2.2%	2.2%
Total Other Wastes	40.6%	33.4%	31.2%	31.7%	26.4%	27.2%	26.1%	27.0%	27.5%
			, 5	, 0					

^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

Neg. = Less than 5,000 tons or 0.05 percent. Details may not add to totals due to rounding.

^{**} Not estimated separately prior to 1990.

^{***} Not estimated separately prior to 1999. Preliminary data; may undergo revision.

[†] Other than food products.

Table 15 PRODUCTS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006 (WITH DETAIL ON NONDURABLE GOODS) (In thousands of tons and percent of total generation)

	Thousands of Tons								
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	9,920	14,660	21,800	29,810	36,980	38,440	39,880	40,280	40,170
(Detail in Table 12)									
Nondurable Goods									
Newspapers	7,110	9,510	11,050	13,430	14,790	13,620	13,560	13,060	12,360
Books and Magazines	1,920	2,470	3,390						
Books**				970	1,240	910	1,270	1,110	1,130
Magazines**				2,830	2,230	2,000	2,470	2,580	2,570
Office-Type Papers	1,520	2,650	4,000	6,410	7,420	7,250	7,040	6,620	6,320
Directories**				610	680	650	640	660	680
Standard Mail***				3,820	5,570	5,160	5,570	5,830	5,890
Other Commercial Printing	1,260	2,130	3,120	4,460	7,380	6,600	7,680	6,450	6,630
Tissue Paper and Towels	1,090	2,080	2,300	2,960	3,220	3,310	3,220	3,460	3,430
Paper Plates and Cups	270	420	630	650	960	950	1,090	1,160	1,180
Plastic Plates and Cups†			190	650	870	770	970	930	890
Trash Bags**				780	850	1,000	1,090	1,060	1,080
Disposable Diapers	Neg.	350	1,930	2,700	3,340	3,430	3,530	3,600	3,630
Other Nonpackaging Paper	2,700	3,630	4,230	3,840	4,250	4,030	4,550	4,490	4,590
Clothing and Footwear	1,360	1,620	2,170	4,010	6,470	7,140	7,640	8,080	8,640
Towels, Sheets and Pillowcases**	,	,	, -	710	820	900	940	980	1,030
Other Miscellaneous Nondurables	100	200	1,410	3,340	4,030	4,390	4,340	4,250	4,130
Total Nondurable Goods	17,330	25,060	34,420	52,170	64,120	62,110	65,600	64,320	64,180
Containers and Packaging	27,370	43,560	52,670	64,530	76,020	76,180	78,550	77,310	79,620
(Detail in Table 18)	,	,	,		,	,	,	,	'
Total Product Wastes‡	54,620	83,280	108,890	146,510	177,120	176,730	184,030	181,910	183,970
Other Wastes	33,500	37,780	42,750	58,700	61,140	62,660	65,150	66,240	67,370
Total MSW Generated - Weight	88,120	121,060	151,640		238,260	239,390	249,180	248,150	251,340
i Jiai wyw Generaleu - weigiil	00,120	121,000							
rotai wow Generateu - Weight	00,120	121,000					,	-,	
	,			Percent o	f Total G	eneration			
Products	1960	1970	1980	Percent o	f Total Ge 2000	eneration 2002	2004	2005	2006
Products Durable Goods	,			Percent o	f Total G	eneration			
Products Durable Goods (Detail in Table 12)	1960	1970	1980	Percent o	f Total Ge 2000	eneration 2002	2004	2005	2006
Products Durable Goods (Detail in Table 12) Nondurable Goods	1960 11.3%	1970 12.1%	1980 14.4%	Percent o 1990 14.5%	f Total Ge 2000 15.5%	2002 16.1%	2004 16.0%	2005 16.2%	2006 16.0%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers	1960 11.3% 8.1%	1970 12.1% 7.9%	1980 14.4% 7.3%	Percent o	f Total Ge 2000	eneration 2002	2004	2005	2006
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines	1960 11.3%	1970 12.1%	1980 14.4%	Percent of 1990 14.5%	f Total Ge 2000 15.5% 6.2%	2002 16.1%	2004 16.0% 5.4%	2005 16.2% 5.3%	2006 16.0%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books**	1960 11.3% 8.1%	1970 12.1% 7.9%	1980 14.4% 7.3%	Percent o 1990 14.5% 6.5%	f Total Ge 2000 15.5% 6.2% 0.5%	2002 16.1% 5.7% 0.4%	2004 16.0% 5.4% 0.5%	2005 16.2% 5.3% 0.4%	2006 16.0% 4.9% 0.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines**	1960 11.3% 8.1% 2.2%	1970 12.1% 7.9% 2.0%	1980 14.4% 7.3% 2.2%	Percent o 1990 14.5% 6.5% 0.5% 1.4%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9%	2002 16.1% 5.7% 0.4% 0.8%	2004 16.0% 5.4% 0.5% 1.0%	2005 16.2% 5.3% 0.4% 1.0%	2006 16.0% 4.9% 0.4% 1.0%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers***	1960 11.3% 8.1%	1970 12.1% 7.9%	1980 14.4% 7.3%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1%	2002 16.1% 5.7% 0.4% 0.8% 3.0%	2004 16.0% 5.4% 0.5% 1.0% 2.8%	2005 16.2% 5.3% 0.4% 1.0% 2.7%	2006 16.0% 4.9% 0.4% 1.0% 2.5%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories**	1960 11.3% 8.1% 2.2%	1970 12.1% 7.9% 2.0%	1980 14.4% 7.3% 2.2%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1% 0.3%	5.7% 0.4% 0.8% 3.0% 0.3%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§	1960 11.3% 8.1% 2.2%	7.9% 2.0%	7.3% 2.2%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1% 0.3% 2.3%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.3%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.3%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing	1960 11.3% 8.1% 2.2% 1.7%	7.9% 2.0%	7.3% 2.2% 2.6%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.1%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1%	5.3% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.3% 2.6%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2%	7.9% 2.0% 2.2%	7.3% 2.2% 2.6% 2.1% 1.5%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2% 1.4%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.1% 1.4%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 1.4%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.3% 2.6% 1.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups	1960 11.3% 8.1% 2.2% 1.7%	7.9% 2.0%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3%	6.2% 0.5% 0.5% 0.9% 3.1% 0.3% 2.3% 3.1% 1.4% 0.4%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.3% 2.6% 1.4% 0.5%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups†	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2%	7.9% 2.0% 2.2%	7.3% 2.2% 2.6% 2.1% 1.5%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.3%	6.2% 0.5% 0.5% 0.9% 0.3% 2.3% 3.1% 1.4% 0.4% 0.4%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.3% 2.6% 1.4% 0.5% 0.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags**	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3%	7.9% 2.0% 2.2% 1.8% 1.7% 0.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.3% 0.3%	6.2% 0.5% 0.5% 0.9% 3.1% 2.3% 3.19 1.4% 0.4% 0.4% 0.4%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.3% 0.3% 0.4% 1.3%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 1.4% 0.4% 0.4% 0.4% 1.4%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4% 1.4%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4% 0.4% 1.4%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 1.4% 0.5% 0.4% 0.4% 1.5%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 0.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 0.3% 3.0%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 0.3% 0.3% 0.3% 0.4% 1.3% 1.9%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 2.3% 0.4% 0.4% 0.4% 1.4% 1.8%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4% 1.4% 1.7%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4% 0.4% 1.4% 1.8%	2005 16.2% 5.3% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4% 0.4% 1.5% 1.8%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 1.4% 1.8%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.3% 0.4% 1.3% 1.9% 2.0%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 1.4% 0.4% 0.4% 0.4% 1.8% 2.7%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4% 1.4% 1.7% 3.0%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 0.4% 0.4% 0.4% 1.4% 1.8% 3.1%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4% 0.4% 1.5% 1.8% 3.3%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 1.4% 1.8% 3.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases**	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 3.0% 1.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.1% 1.3% 2.8% 1.4%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2% 0.3% 0.4% 1.3% 1.9% 2.0% 0.3%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.1.4% 0.4% 0.4% 0.4% 1.4% 1.8% 2.7% 0.3%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.3% 0.4% 1.4% 1.7% 3.0% 0.4%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 0.4% 0.4% 0.4% 1.8% 3.1% 0.4%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 1.4% 0.4% 0.4% 1.5% 1.8% 3.3% 0.4%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.4% 1.8% 3.4% 0.4%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 0.3% 3.0% 1.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4%	Percent of 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2% 0.3% 0.4% 0.3% 0.4% 1.9% 2.0% 0.3% 1.6%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.14% 0.4% 0.4% 0.4% 1.4% 1.8% 2.7% 0.3% 1.7%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 1.4% 0.4% 0.4% 0.3% 0.4% 1.7% 3.0% 0.4% 1.8%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 0.4% 0.4% 1.8% 3.1% 0.4% 1.8% 3.1%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 0.5% 0.4% 0.4% 1.5% 1.8% 3.3% 0.4% 1.7%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.4% 1.8% 3.4% 0.4% 1.6%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 0.3% 3.0% 1.3% 0.2% 20.7%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4% 0.9% 22.7%	Percent of 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2% 1.4% 0.3% 0.3% 0.4% 1.9% 2.0% 0.3% 1.6% 25.4%	6.2% 0.5% 0.5% 0.9% 3.1% 0.4% 0.4% 0.4% 1.4% 0.4% 1.8% 2.7% 0.3% 1.7% 26.9%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 0.4% 0.4% 0.4% 0.3% 0.4% 1.7% 3.0% 0.4% 1.8% 25.9%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 0.4% 0.4% 0.4% 1.8% 3.1% 0.4% 1.7% 26.3%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 1.4% 0.5% 0.4% 1.5% 1.5% 1.5% 1.5% 1.7% 25.9%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 0.4% 1.8% 3.4% 0.4% 1.6% 25.5%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 0.3% 3.0% 1.3%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4%	Percent of 1990 14.5% 6.5% 0.5% 1.4% 3.1% 0.3% 1.9% 2.2% 0.3% 0.4% 0.3% 0.4% 1.9% 2.0% 0.3% 1.6%	6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.14% 0.4% 0.4% 0.4% 1.4% 1.8% 2.7% 0.3% 1.7%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 1.4% 0.4% 0.4% 0.3% 0.4% 1.7% 3.0% 0.4% 1.8%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 0.4% 0.4% 1.8% 3.1% 0.4% 1.8% 3.1%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.3% 2.6% 0.5% 0.4% 0.4% 1.5% 1.8% 3.3% 0.4% 1.7%	2006 16.0% 4.9% 0.4% 1.0% 2.5% 0.3% 2.6% 0.5% 0.4% 0.4% 1.8% 3.4% 0.4% 1.6%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 19)	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1% 19.7% 31.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 3.0% 1.3% 0.2% 20.7% 36.0%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4% 0.9% 22.7% 34.7%	Percent of 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.4% 1.3% 2.0% 0.3% 1.6% 25.4% 31.4%	6.2% 0.5% 0.5% 0.9% 3.1% 0.4% 0.4% 0.4% 1.4% 2.7% 0.3% 2.7% 3.19%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4% 1.7% 3.0% 0.4% 1.8% 25.9% 31.8%	2004 16.0% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4% 1.4% 0.4% 1.4% 3.16 0.4% 1.7% 26.3% 31.5%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4% 1.5% 0.4% 1.5% 3.3% 0.4% 1.7% 25.9% 31.2%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 1.4% 0.4% 1.8% 3.4% 0.4% 1.6% 25.5% 31.7%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 19) Total Product Wastes‡	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1% 19.7% 31.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 3.0% 1.3% 0.2% 20.7% 36.0% 68.8%	1980 14.4% 7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4% 0.9% 22.7% 34.7% 71.8%	Percent o 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.4% 1.3% 1.9% 2.0% 0.3% 1.6% 25.4% 31.4%	f Total Ge 2000 15.5% 6.2% 0.5% 0.9% 3.1% 0.3% 2.3% 3.19 1.4% 0.4% 0.4% 0.4% 1.8% 2.7% 0.3% 1.7% 26.9% 31.9%	5.7% 0.4% 0.8% 3.0% 0.3% 2.8% 1.4% 0.4% 0.3% 0.4% 1.4% 3.0% 0.4% 1.7% 3.0% 0.4% 1.8% 25.9% 31.8%	2004 16.0% 5.4% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4% 1.4% 1.8% 3.1% 0.4% 3.15% 73.9%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4% 1.5% 1.8% 3.3% 0.4% 1.7% 25.9% 31.2%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 1.8% 3.4% 0.4% 1.6% 25.5% 31.7%
Products Durable Goods (Detail in Table 12) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 19)	1960 11.3% 8.1% 2.2% 1.7% 1.4% 1.2% 0.3% Neg. 3.1% 1.5% 0.1% 19.7% 31.1%	1970 12.1% 7.9% 2.0% 2.2% 1.8% 1.7% 0.3% 3.0% 1.3% 0.2% 20.7% 36.0%	7.3% 2.2% 2.6% 2.1% 1.5% 0.4% 0.1% 1.3% 2.8% 1.4% 0.9% 22.7% 34.7%	Percent of 1990 14.5% 6.5% 0.5% 1.4% 0.3% 1.9% 2.2% 1.4% 0.3% 0.4% 1.3% 2.0% 0.3% 1.6% 25.4% 31.4%	6.2% 0.5% 0.5% 0.9% 3.1% 0.4% 0.4% 0.4% 1.4% 2.7% 0.3% 2.7% 3.19%	5.7% 0.4% 0.8% 3.0% 0.3% 2.2% 2.8% 1.4% 0.4% 0.3% 0.4% 1.7% 3.0% 0.4% 1.8% 25.9% 31.8%	2004 16.0% 0.5% 1.0% 2.8% 0.3% 2.2% 3.1% 1.3% 0.4% 0.4% 1.4% 0.4% 1.4% 3.16 0.4% 1.7% 26.3% 31.5%	2005 16.2% 0.4% 1.0% 2.7% 0.3% 2.6% 1.4% 0.5% 0.4% 1.5% 0.4% 1.5% 3.3% 0.4% 1.7% 25.9% 31.2%	2006 16.0% 0.4% 1.0% 2.5% 0.3% 2.6% 1.4% 0.5% 0.4% 1.8% 3.4% 0.4% 1.6% 25.5% 31.7%

^{*} Generation before materials recovery or combustion. Does not include construction & demolition debris, industrial process wastes, or certain other wastes. Details may not add to totals due to rounding.

*** Not estimated separately prior to 1990.

*** High-grade paper such as printer paper; generated in both commercial and residential sources.

§ Not estimated separately prior to 1990. Formerly called Third Class Mail and Standard (A) Mail by the U.S. Postal Service.

† Not estimated separately prior to 1980.

‡ Other than food products.

Neg. = Less than 5,000 tons or 0.05 percent.

Source: Franklin Associates, A Division of ERG

Table 16 RECOVERY* OF PRODUCTS IN MUNICIPAL SOLID WASTE, 1960 TO 2006 (WITH DETAIL ON NONDURABLE GOODS) (In thousands of tons and percent of generation of each product)

				Thou	sands of	Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	350	940	1,360	3,460	6,510	7,320	7,600	7,570	7,430
(Detail in Table 13)									
Nondurable Goods									
Newspapers	1,820	2,250	3,020	5,110	8,720	9,900	10,410	10,680	10,870
Books and Magazines	100	260	280						
Books**				100	240	170	250	270	290
Magazines**				300	710	560	890	960	1,040
Office-Type Papers	250	710	870	1,700	4,090	3,850	4,200	4,110	4,150
Directories**				50	120	90	100	120	130
Standard Mail***				200	1,830	1,560	1,830	2,090	2,280
Other Commercial Printing	130	340	350	700	810	400	980	750	1,400
Tissue Paper and Towels	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Paper Plates and Cups	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Plastic Plates and Cups†			Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Trash Bags**				Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Disposable Diapers				Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Other Nonpackaging Paper	40	110	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Clothing and Footwear	50	60	150	520	900	990	1,250	1,250	1,250
Towels, Sheets and Pillowcases**				120	140	160	160	170	180
Other Miscellaneous Nondurables	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Nondurable Goods	2,390	3,730	4,670	8,800	17,560	17,680	20,070	20,400	21,590
Containers and Packaging	2,870	3,350	8,490	16,780	28,740	28,820	29,790	30,600	31,990
(Detail in Table 20)									
Total Product Wastes‡	5,610	8,020	14,520	29,040	52,810	53,820	57,460	58,570	61,010
Other Wastes	Neg.	Neg.	Neg.	4,200	16,450	16,740	20,470	20,550	20,780
Total MSW Recovered - Weight	5,610	8,020	14,520	33,240	69,260	70,560	77,930	79,120	81,790
				ent of Ger					
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	3.5%	6.4%	6.2%	11.6%	17.6%	19.0%	19.1%	18.8%	18.5%
(Detail in Table 13)									
Nondurable Goods	0= 00/	00 =0/	07.00/	00.00/	=0.00/	=0 =0/	=0.00/	1 04 004	0= 00/
Newspapers	25.6%	23.7%	27.3%	38.0%	59.0%	72.7%	76.8%	81.8%	87.9%
Books and Magazines	5.2%	10.5%	8.3%	40.004	40.407	40 =0/	40 =0/	24.00/	
Books**				10.3%	19.4%	18.7%	19.7%	24.3%	25.7%
Magazines**	40.407	00.00/	0.4.007	10.6%	31.8%	28.0%	36.0%	37.2%	40.5%
Office-Type Papers***	16.4%	26.8%	21.8%	26.5%	55.1%	53.1%	59.7%	62.1%	65.7%
Directories**				8.2%	17.6%	13.8%	15.6%	18.2%	19.1%
Standard Mail§	40.00/		44.007	5.2%	32.9%	30.2%	32.9%	35.8%	38.7%
Other Commercial Printing							12.8%	11.6%	21.1%
	10.3%	16.0%	11.2%	15.7%	11.0%	6.1%			
Tissue Paper and Towels	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Paper Plates and Cups			Neg. Neg.	Neg. Neg.	Neg. Neg.	Neg. Neg.	Neg. Neg.	Neg. Neg.	Neg.
Paper Plates and Cups Plastic Plates and Cups†	Neg.	Neg.	Neg.	Neg. Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg.	Neg. Neg.
Paper Plates and Cups Plastic Plates and Cups† Trash Bags**	Neg.	Neg.	Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg.
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers	Neg. Neg.	Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg.
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper	Neg. Neg.	Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg.
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear	Neg. Neg.	Neg. Neg.	Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. 13.0%	Neg. Neg. Neg. Neg. Neg. 13.9%	Neg. Neg. Neg. Neg. Neg. 13.9%	Neg. Neg. Neg. Neg. Neg. 16.4%	Neg. Neg. Neg. Neg. Neg. 15.5%	Neg. Neg. Neg. Neg. Neg. 14.5%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases**	Neg. Neg. 1.5% Neg.	Neg. Neg. 3.0% Neg.	Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. 13.0%	Neg. Neg. Neg. Neg. Neg. 13.9%	Neg. Neg. Neg. Neg. Neg. 13.9%	Neg. Neg. Neg. Neg. Neg. 16.4%	Neg. Neg. Neg. Neg. Neg. 15.5%	Neg. Neg. Neg. Neg. Neg. 14.5%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables	Neg. Neg. 1.5% Neg. Neg.	Neg. Neg. 3.0% Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg.	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg.	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0%	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3%	Neg. Neg. Neg. Neg. 14.5% 17.5%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables	Neg. 1.5% Neg. Neg. 13.8%	Neg. Neg. 3.0% Neg. Neg. 14.9%	Neg. Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg.	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1% Neg.	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg. 28.5%	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0% Neg.	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3% Neg.	Neg. Neg. Neg. Neg. 14.5% 17.5% Neg.
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging	Neg. Neg. 1.5% Neg. Neg.	Neg. Neg. 3.0% Neg. Neg.	Neg. Neg. Neg. Neg. Neg.	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg.	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg.	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0%	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3%	Neg. Neg. Neg. Neg. 14.5% 17.5%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 21)	Neg. Neg. 1.5% Neg. Neg. 13.8%	Neg. Neg. 3.0% Neg. Neg. 14.9% 7.7%	Neg. Neg. Neg. Neg. Neg. 13.6%	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg. 16.9%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1% Neg. 27.4%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg. 28.5%	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0% Neg. 30.6%	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3% Neg. 31.7%	Neg. Neg. Neg. Neg. 14.5% 17.5% Neg. 33.6%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 21) Total Product Wastes‡	Neg. Neg. 1.5% Neg. Neg. 13.8% 10.5%	Neg. Neg. 3.0% Neg. Neg. 7.7%	Neg. Neg. Neg. Neg. 13.6% 16.1%	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg. 16.9% 26.0%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1% Neg. 27.4% 37.8%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg. 28.5% 37.8%	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0% Neg. 30.6% 37.9%	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3% Neg. 31.7% 39.6%	Neg. Neg. Neg. Neg. 14.5% 17.5% Neg. 33.6% 40.2%
Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 21)	Neg. Neg. 1.5% Neg. Neg. 13.8%	Neg. Neg. 3.0% Neg. Neg. 14.9% 7.7%	Neg. Neg. Neg. Neg. Neg. 13.6%	Neg. Neg. Neg. Neg. Neg. 13.0% 16.9% Neg. 16.9%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.1% Neg. 27.4%	Neg. Neg. Neg. Neg. Neg. 13.9% 17.8% Neg. 28.5%	Neg. Neg. Neg. Neg. Neg. 16.4% 17.0% Neg. 30.6%	Neg. Neg. Neg. Neg. Neg. 15.5% 17.3% Neg. 31.7%	Neg. Neg. Neg. Neg. 14.5% 17.5% Neg. 33.6%

^{*} Recovery of postconsumer wastes; does not include converting/fabrication scrap.

Details may not add to totals due to rounding.

*** Not estimated separately prior to 1990.

*** High-grade paper such as printer paper; generated in both commercial and residential sources.

§ Not estimated separately prior to 1990. Formerly called Third Class Mail and Standard (A) Mail by the U.S. Postal Service.

† Not estimated separately prior to 1980.

‡ Other than food products.

Neg. = Less than 5,000 tons or 0.05 percent.

Source: Franklin Associates, A Division of ERG

Table 17 PRODUCTS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006 (WITH DETAIL ON NONDURABLE GOODS) (In thousands of tons and percent of total discards)

	Thousands of Tons									
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006	
Durable Goods	9,570	13,720	20,440	26,350	30,470	31,120	32,280	32,710	32,740	
(Detail in Table 14)										
Nondurable Goods										
Newspapers	5,290	7,260	8,030	8,320	6,070	3,720	3,150	2,380	1,490	
Books and Magazines	1,820	2,210	3,110							
Books**				870	1,000	740	1,020	840	840	
Magazines**				2,530	1,520	1,440	1,580	1,620	1,530	
Office-Type Papers	1,270	1,940	3,130	4,710	3,330	3,400	2,840	2,510	2,170	
Directories**				560	560	560	540	540	550	
Standard Mail***				3,620	3,740	3,600	3,740	3,740	3,610	
Other Commercial Printing	1,130	1,790	2,770	3,760	6,570	6,200	6,700	5,700	5,230	
Tissue Paper and Towels	1,090	2,080	2,300	2,960	3,220	3,310	3,220	3,460	3,430	
Paper Plates and Cups	270	420	630	650	960	950	1,090	1,160	1,180	
Plastic Plates and Cups†			190	650	870	770	970	930	890	
Trash Bags**				780	850	1,000	1,090	1,060	1,080	
Disposable Diapers	Neg.	350	1,930	2,700	3,340	3,430	3,530	3,600	3,630	
Other Nonpackaging Paper	2,660	3,520	4,230	3,840	4,250	4,030	4,550	4,490	4,590	
Clothing and Footwear	1,310	1,560	2,020	3,490	5,570	6,150	6,390	6,830	7,390	
Towels, Sheets and Pillowcases**				590	680	740	780	810	850	
Other Miscellaneous Nondurables	100	200	1,410	3,340	4,030	4,390	4,340	4,250	4,130	
Total Nondurable Goods	14,940	21,330	29,750	43,370	46,560	44,430	45,530	43,920	42,590	
Containers and Packaging	24,500	40,210	44,180	47,750	47,280	47,360	48,760	46,710	47,630	
(Detail in Table 22)										
Total Product Wastes‡	49,010	75,260	94,370	117,470	124,310	122,910	126,570	123,340	122,960	
Other Wastes	33,500	37,780	42,750	54,500	44,690	45,920	44,680	45,690	46,590	
Total MSW Discarded - Weight	82,510	113,040	137,120	171,970	169,000	168,830	171,250	169,030	169,550	
		82,510 113,040 137,120 171,970 169,000 168,830 171,250 169,030 169,550								
					of Total I					
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006	
Durable Goods	1960 11.6%	1970 12.1%	1980 14.9%				2004 18.8%	2005 19.4%	2006 19.3%	
Durable Goods (Detail in Table 14)				1990	2000	2002				
Durable Goods (Detail in Table 14) Nondurable Goods	11.6%	12.1%	14.9%	1990 15.3%	2000 18.0%	2002 18.4%	18.8%	19.4%	19.3%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers	11.6%	12.1% 6.4%	14.9% 5.9%	1990	2000	2002				
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines	11.6%	12.1%	14.9%	1990 15.3% 4.8%	2000 18.0% 3.6%	2002 18.4% 2.2%	18.8%	19.4%	0.9%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books**	11.6%	12.1% 6.4%	14.9% 5.9%	1990 15.3% 4.8% 0.5%	2000 18.0% 3.6% 0.6%	2002 18.4% 2.2% 0.4%	18.8% 1.8% 0.6%	19.4% 1.4% 0.5%	19.3% 0.9% 0.5%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines**	6.4% 2.2%	12.1% 6.4% 2.0%	14.9% 5.9% 2.3%	1990 15.3% 4.8% 0.5% 1.5%	2000 18.0% 3.6% 0.6% 0.9%	2002 18.4% 2.2% 0.4% 0.9%	18.8% 1.8% 0.6% 0.9%	19.4% 1.4% 0.5% 1.0%	0.9% 0.5% 0.9%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers***	11.6%	12.1% 6.4%	14.9% 5.9%	1990 15.3% 4.8% 0.5% 1.5% 2.7%	2000 18.0% 3.6% 0.6% 0.9% 2.0%	2002 18.4% 2.2% 0.4% 0.9% 2.0%	18.8% 1.8% 0.6% 0.9% 1.7%	19.4% 1.4% 0.5% 1.0% 1.5%	0.9% 0.5% 0.9% 1.3%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories**	6.4% 2.2%	12.1% 6.4% 2.0%	14.9% 5.9% 2.3%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3%	3.6% 0.6% 0.9% 2.0% 0.3%	2.2% 0.4% 0.9% 2.0% 0.3%	18.8% 1.8% 0.6% 0.9% 1.7% 0.3%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3%	0.9% 0.5% 0.9% 1.3% 0.3%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§	6.4% 2.2% 1.5%	6.4% 2.0% 1.7%	5.9% 2.3% 2.3%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2%	2002 18.4% 2.2% 0.4% 0.9% 2.0% 0.3% 2.1%	18.8% 1.8% 0.6% 0.9% 1.7% 0.3% 2.2%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing	11.6% 6.4% 2.2% 1.5%	12.1% 6.4% 2.0% 1.7%	14.9% 5.9% 2.3% 2.3%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7%	18.8% 1.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 3.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels	11.6% 6.4% 2.2% 1.5% 1.4% 1.3%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0%	18.8% 1.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 3.1% 2.0%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups	11.6% 6.4% 2.2% 1.5%	12.1% 6.4% 2.0% 1.7%	5.9% 2.3% 2.3% 2.0% 1.7% 0.5%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.11% 2.2% 1.7% 0.4%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6%	18.8% 1.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 3.1% 2.0% 0.7%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups†	11.6% 6.4% 2.2% 1.5% 1.4% 1.3%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.4%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 3.1% 2.0% 0.7% 0.5%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags**	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.4% 0.5%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5% 0.6%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6% 0.6%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 3.1% 2.0% 0.7% 0.5% 0.6%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.4% 0.5% 1.6%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 0.5% 2.0%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5% 0.6% 2.0%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6% 0.6% 2.1%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6% 0.6% 2.1%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.7% 0.5% 0.6% 2.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper	11.6% 6.4% 2.2% 1.5% 1.4% 0.3% Neg. 3.2%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2%	2000 18.0% 3.6% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 0.5% 2.0% 2.5%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5% 0.6% 2.0% 2.4%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6% 2.1% 2.7%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 2.0% 0.7% 0.6% 2.1% 2.7%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.1% 2.7%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 0.4% 0.4% 0.5% 1.6% 2.2% 2.0%	2000 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 0.6% 0.5% 0.5% 2.0% 2.5% 3.3%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5% 0.6% 2.0% 2.4% 3.6%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 0.6% 0.6% 0.6% 2.1% 2.7% 3.7%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 2.0% 0.7% 0.6% 2.1% 2.7% 4.0%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.1% 2.7% 4.4%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases**	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5%	1990 15.3% 4.8% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 0.4% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3%	2000 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 0.6% 0.5% 0.5% 2.0% 2.5% 3.3% 0.4%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 0.6% 0.6% 0.6% 2.0% 2.4% 3.6% 0.4%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.6% 2.1% 2.7% 4.0% 0.5%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.1% 2.7% 4.4% 0.5%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups† Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9%	2000 18.0% 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 2.0% 2.5% 2.0% 2.5% 3.3% 0.4% 2.4%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 2.0% 0.6% 2.0% 0.6% 2.0% 2.4% 3.6% 0.4% 2.6%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 2.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.6% 2.1% 2.7% 4.0% 0.5% 2.5%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.1% 2.7% 4.4% 0.5% 2.4%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1% 18.1%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2% 18.9%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7% 21.7%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9%	2000 18.0% 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 2.0% 2.5% 2.0% 2.5% 3.3% 0.4% 2.4%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 3.7% 2.0% 0.6% 0.5% 0.6% 2.0% 2.4% 3.6% 0.4% 2.6% 26.3%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 2.5% 26.6%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.6% 0.6% 2.11% 2.7% 4.0% 0.5% 2.5% 26.0%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.11% 2.7% 4.4% 0.5% 2.4% 25.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Trash Bags** Disposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.1% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9%	2000 18.0% 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 2.0% 2.5% 2.0% 2.5% 3.3% 0.4% 2.4%	2.2% 0.4% 0.9% 2.0% 0.3% 2.1% 2.0% 0.6% 2.0% 0.6% 2.0% 2.4% 3.6% 0.4% 2.6%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 2.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.6% 2.1% 2.7% 4.0% 0.5% 2.5%	0.9% 0.5% 0.9% 1.3% 0.3% 2.1% 2.0% 0.5% 0.6% 2.1% 2.7% 4.4% 0.5% 2.4%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Plastic Plates and Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 23)	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1% 18.1% 29.7%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2% 18.9% 35.6%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7% 21.7% 32.2%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.11% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9% 25.2% 27.8%	2000 18.0% 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 2.5% 2.5% 2.5% 2.4% 27.6% 28.0%	2.2% 0.4% 0.9% 2.0% 0.3% 2.11% 3.7% 2.0% 0.6% 0.5% 0.6% 2.4% 3.6% 0.4% 2.6% 26.3% 28.1%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 2.5% 26.6% 28.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6% 2.1% 4.0% 2.7% 4.0% 2.5% 26.0% 27.6%	0.9% 0.5% 0.9% 1.3% 2.1% 3.1% 2.0% 0.7% 0.5% 0.6% 2.1% 4.4% 0.5% 2.4% 25.1% 28.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Plastic Plates and Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 23) Total Product Wastes‡	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1% 18.1% 29.7% 59.4%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2% 18.9% 35.6% 66.6%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7% 21.7% 32.2% 68.8%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.11% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9% 25.2% 27.8% 68.3%	2000 18.0% 3.6% 0.6% 0.9% 2.2% 3.9% 1.9% 0.6% 0.5% 2.0% 2.5% 3.3% 0.4% 2.4% 27.6% 28.0%	2.2% 0.4% 0.9% 2.0% 0.3% 2.11% 3.7% 2.0% 0.6% 0.5% 0.6% 2.0% 2.4% 3.6% 0.4% 2.6% 26.3% 28.1%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 25.6% 28.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6% 2.11% 2.7% 4.0% 0.5% 2.5% 26.0% 27.6%	0.9% 0.5% 0.9% 1.3% 2.1% 3.1% 2.0% 0.7% 0.5% 0.6% 2.1% 2.7% 4.4% 0.5% 2.4% 25.1% 28.1%	
Durable Goods (Detail in Table 14) Nondurable Goods Newspapers Books and Magazines Books** Magazines** Office-Type Papers*** Directories** Standard Mail§ Other Commercial Printing Tissue Paper and Towels Paper Plates and Cups Plastic Plates and Cups Plastic Plates and Cups Ploposable Diapers Other Nonpackaging Paper Clothing and Footwear Towels, Sheets and Pillowcases** Other Miscellaneous Nondurables Total Nondurables Containers and Packaging (Detail in Table 23)	11.6% 6.4% 2.2% 1.5% 1.4% 1.3% 0.3% Neg. 3.2% 1.6% 0.1% 18.1% 29.7%	12.1% 6.4% 2.0% 1.7% 1.6% 1.8% 0.4% 0.3% 3.1% 1.4% 0.2% 18.9% 35.6%	14.9% 5.9% 2.3% 2.3% 2.0% 1.7% 0.5% 0.1% 1.4% 3.1% 1.5% 1.7% 21.7% 32.2%	1990 15.3% 0.5% 1.5% 2.7% 0.3% 2.11% 2.2% 1.7% 0.4% 0.5% 1.6% 2.2% 2.0% 0.3% 1.9% 25.2% 27.8%	2000 18.0% 18.0% 0.6% 0.9% 2.0% 0.3% 2.2% 3.9% 1.9% 0.6% 0.5% 2.5% 2.5% 2.5% 2.4% 27.6% 28.0%	2.2% 0.4% 0.9% 2.0% 0.3% 2.11% 3.7% 2.0% 0.6% 0.5% 0.6% 2.4% 3.6% 0.4% 2.6% 26.3% 28.1%	18.8% 0.6% 0.9% 1.7% 0.3% 2.2% 3.9% 1.9% 0.6% 0.6% 2.1% 2.7% 3.7% 0.5% 2.5% 26.6% 28.5%	19.4% 1.4% 0.5% 1.0% 1.5% 0.3% 2.2% 3.4% 2.0% 0.7% 0.6% 2.1% 4.0% 2.7% 4.0% 2.5% 26.0% 27.6%	0.9% 0.5% 0.99% 1.3% 2.1% 3.1% 2.0% 0.7% 0.5% 0.6% 2.1% 4.4% 0.5% 2.4% 25.1% 28.1%	

 ^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

*** Not estimated separately prior to 1990.

*** High-grade paper such as printer paper; generated in both commercial and residential sources.

§ Not estimated separately prior to 1990. Formerly called Third Class Mail and Standard (A) Mail by the U.S. Postal Service.

† Not estimated separately prior to 1980.

‡ Other than food products.

Neg. = Less than 5,000 tons or 0.05 percent. Details may not add to totals due to rounding.

Table 18

PRODUCTS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006
(WITH DETAIL ON CONTAINERS AND PACKAGING)
(In thousands of tons)

	Thousands of Tons								
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	9,920	14,660	21,800	29,810	36,980	38,440	39,880	40,280	40,170
(Detail in Table 12)									
Nondurable Goods	17,330	25,060	34,420	52,170	64,120	62,110	65,600	64,320	64,180
(Detail in Table 15)									
Containers and Packaging		r		•	_				
Glass Packaging									
Beer and Soft Drink Bottles	1,400	5,580	6,740	5,640	5,710	7,040	7,010	7,180	7,500
Wine and Liquor Bottles	1,080	1,900	2,450	2,030	1,910	1,600	1,570	1,700	1,670
Food and Other Bottles & Jars	3,710	4,440	4,780	4,160	3,420	2,230	2,280	2,070	2,220
Total Glass Packaging	6,190	11,920	13,970	11,830	11,040	10,870	10,860	10,950	11,390
Steel Packaging									
Beer and Soft Drink Cans	640	1,570	520	150	Neg.	Neg.	Neg.	Neg.	Neg.
Food and Other Cans	3,760	3,540	2,850	2,540	2,630	2,420	2,450	2,130	2,510
Other Steel Packaging	260	270	240	200	240	240	240	240	240
Total Steel Packaging	4,660	5,380	3,610	2,890	2,870	2,660	2,690	2,370	2,750
Aluminum Packaging									
Beer and Soft Drink Cans	Neg.	100	850	1,550	1,520	1,490	1,480	1,450	1,440
Other Cans	Neg.	60	40	20	50	50	50	50	80
Foil and Closures	170	410	380	330	380	400	390	400	420
Total Aluminum Packaging	170	570	1,270	1,900	1,950	1,940	1,920	1,900	1,940
Paper & Paperboard Pkg									
Corrugated Boxes	7,330	12,760	17,080	24,010	30,210	30,110	31,490	30,930	31,430
Milk Cartons			790	510	550	530	470	500	510
Folding Cartons			3,820	4,300	5,820	5,550	5,540	5,530	5,570
Other Paperboard Packaging	3,840	4,830	230	290	200	180	170	160	160
Bags and Sacks			3,380	2,440	1,490	1,440	1,270	1,120	1,340
Wrapping Papers			200	110	Neg.	Neg.	Neg.	Neg.	Neg.
Other Paper Packaging	2,940	3,810	850	1,020	1,670	1,720	1,460	1,400	1,430
Total Paper & Board Pkg	14,110	21,400	26,350	32,680	39,940	39,530	40,400	39,640	40,440
Plastics Packaging							·		
Soft Drink Bottles			260	430	830	870	850	850	940
Milk Bottles			230	530	690	710	800	800	710
Other Containers	60	910	890	1,430	2,630	2,930	3,150	3,110	3,430
Bags and Sacks			390	940	1,650	1,740	1,810	1,640	1,830
Wraps			840	1,530	2,550	2,740	2,940	2,810	2,800
Subtotal Bags, Sacks, and Wraps			1,230	2,470	4,200	4,480	4,750	4,450	4,630
Other Plastics Packaging	60	1,180	790	2.040	3,510	3,700	4,410	4,440	4,520
Total Plastics Packaging	120	2,090	3,400	6,900	11,860	12,690	13,960	13,650	14,230
Wood Packaging	2,000	2,070	3,940	8,180	8,120	8,250	8,430	8,520	8,480
Other Misc. Packaging	120	130	130	150	240	240	290	280	390
Total Containers & Pkg	27,370	43,560	52,670	64,530	76,020	76,180	78,550	77,310	79,620
Total Product Wastes†	54,620	83,280	108,890	146,510	177,120	176,730	184,030	181,910	183,970
Other Wastes									
Food Scraps	12,200	12,800	13,000	20,800	27,110	27,920	29,730	30,480	31,250
Yard Trimmings	20,000	23,200	27,500	35,000	30,530	31,160	31,770	32,070	32,400
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	58,700	61,140	62,660	65,150	66,240	67,370
Total MSW Generated - Weight	88,120	121,060	151,640	205,210	238,260	239,390	249,180	248,150	251,340

^{*} Generation before materials recovery or combustion. Details may not add to totals due to rounding.

Neg. = Less than 5,000 tons or 0.05 percent. Source: Franklin Associates, A Division of ERG

[†] Other than food products.

Table 19

PRODUCTS GENERATED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006

(WITH DETAIL ON CONTAINERS AND PACKAGING)

(In percent of total generation)

	Percent of Total Generation								
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	11.3%	12.1%	14.4%	14.5%	15.5%	16.1%	16.0%	16.2%	16.0%
(Detail in Table 12)									
Nondurable Goods	19.7%	20.7%	22.7%	25.4%	26.9%	25.9%	26.3%	25.9%	25.5%
(Detail in Table 15)									
Containers and Packaging									
Glass Packaging									
Beer and Soft Drink Bottles	1.6%	4.6%	4.4%	2.7%	2.4%	2.9%	2.8%	2.9%	3.0%
Wine and Liquor Bottles	1.2%	1.6%	1.6%	1.0%	0.8%	0.7%	0.6%	0.7%	0.7%
Food and Other Bottles & Jars	4.2%	3.7%	3.2%	2.0%	1.4%	0.9%	0.9%	0.8%	0.9%
Total Glass Packaging	7.0%	9.8%	9.2%	5.8%	4.6%	4.5%	4.4%	4.4%	4.5%
Steel Packaging									
Beer and Soft Drink Cans	0.7%	1.3%	0.3%	0.1%	Neg.	Neg.	Neg.	Neg.	Neg.
Food and Other Cans	4.3%	2.9%	1.9%	1.2%	1.1%	1.0%	1.0%	0.9%	1.0%
Other Steel Packaging	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Total Steel Packaging	5.3%	4.4%	2.4%	1.4%	1.2%	1.1%	1.1%	1.0%	1.1%
Aluminum Packaging									
Beer and Soft Drink Cans	Neg.	0.1%	0.6%	0.8%	0.6%	0.6%	0.6%	0.6%	0.6%
Other Cans	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	0.03%
Foil and Closures	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Total Aluminum Packaging	0.2%	0.5%	0.8%	0.9%	0.8%	0.8%	0.8%	0.8%	0.8%
Paper & Paperboard Pkg									
Corrugated Boxes	8.3%	10.5%	11.3%	11.7%	12.7%	12.6%	12.6%	12.5%	12.5%
Milk Cartons			0.5%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Folding Cartons			2.5%	2.1%	2.4%	2.3%	2.2%	2.2%	2.2%
Other Paperboard Packaging	4.4%	4.0%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Bags and Sacks			2.2%	1.2%	0.6%	0.6%	0.5%	0.5%	0.5%
Wrapping Papers			0.1%	0.1%	Neg.	Neg.	Neg.	Neg.	Neg.
Other Paper Packaging	3.3%	3.1%	0.6%	0.5%	0.7%	0.7%	0.6%	0.6%	0.6%
Total Paper & Board Pkg	16.0%	17.7%	17.4%	15.9%	16.8%	16.5%	16.2%	16.0%	16.1%
Plastics Packaging									
Soft Drink Bottles			0.2%	0.2%	0.3%	0.4%	0.3%	0.3%	0.4%
Milk Bottles			0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Other Containers	0.1%	0.8%	0.6%	0.7%	1.1%	1.2%	1.3%	1.3%	1.4%
Bags and Sacks			0.3%	0.5%	0.7%	0.7%	0.7%	0.7%	0.7%
Wraps			0.6%	0.7%	1.1%	1.1%	1.2%	1.1%	1.1%
Subtotal Bags, Sacks, and Wraps			0.8%	1.2%	1.8%	1.9%	1.9%	1.8%	1.8%
Other Plastics Packaging	0.1%	1.0%	0.5%	1.0%	1.5%	1.5%	1.8%	1.8%	1.8%
Total Plastics Packaging	0.1%	1.7%	2.2%	3.4%	5.0%	5.3%	5.6%	5.5%	5.7%
Wood Packaging	2.3%	1.7%	2.6%	4.0%	3.4%	3.4%	3.4%	3.4%	3.4%
Other Misc. Packaging	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
Total Containers & Pkg	31.1%	36.0%	34.7%	31.4%	31.9%	31.8%	31.5%	31.2%	31.7%
Total Product Wastes†	62.0%	68.8%	71.8%	71.4%	74.3%	73.8%	73.9%	73.3%	73.2%
Other Wastes									
Food Scraps	13.8%	10.6%	8.6%	10.1%	11.4%	11.7%	11.9%	12.3%	12.4%
Yard Trimmings	22.7%	19.2%	18.1%	17.1%	12.8%	13.0%	12.7%	12.9%	12.9%
Miscellaneous Inorganic Wastes	1.5%	1.5%	1.5%	1.4%	1.5%	1.5%	1.5%	1.5%	1.5%
Total Other Wastes	38.0%	31.2%	28.2%	28.6%	25.7%	26.2%	26.1%	26.7%	26.8%
Total MSW Generated - %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

^{*} Generation before materials recovery or combustion.

Neg. = Less than 5,000 tons or 0.05 percent. Source: Franklin Associates, A Division of ERG

Details may not add to totals due to rounding.

[†] Other than food products.

Table 20

RECOVERY* OF PRODUCTS IN MUNICIPAL SOLID WASTE, 1960 TO 2006
(WITH DETAIL ON CONTAINERS AND PACKAGING)
(In thousands of tons)

				Thou	ısands of	Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	350	940	1,360	3,460	6,510	7,320	7,600	7,570	7,430
(Detail in Table 13)									
Nondurable Goods	2,390	3,730	4,670	8,800	17,560	17,680	20,070	20,400	21,590
(Detail in Table 16)	,	,	,	,	, ·	,	,	,	
Containers and Packaging									
Glass Packaging									
Beer and Soft Drink Bottles	90	140	730	1,890	1,530	2,160	2,150	2,200	2,300
Wine and Liquor Bottles	10	10	20	210	430	240	240	250	250
Food and Other Bottles & Jars	Neg.	Neg.	Neg.	520	920	330	340	310	330
Total Glass Packaging	100	150	750	2,620	2,880	2,730	2,730	2,760	2,880
Steel Packaging				,	,	,	,	,	,
Beer and Soft Drink Cans	10	20	50	40	Neg.	Neg.	Neg.	Neg.	Neg.
Food and Other Cans	20	60	150	590	1,530	1,420	1,500	1,340	1,580
Other Steel Packaging	Neg.	Neg.	Neg.	60	160	160	160	160	160
Total Steel Packaging	30	80	200	690	1,690	1,580	1,660	1,500	1,740
Aluminum Packaging					1,000	.,000	.,,,,,	.,000	.,
Beer and Soft Drink Cans	Neg.	10	320	990	830	720	670	650	650
Other Cans	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Foil and Closures	Neg.	Neg.	Neg.	20	30	40	40	40	40
Total Aluminum Pkg	Neg.	10	320	1,010	860	760	710	690	690
Paper & Paperboard Pkg	iveg.	10	320	1,010	000	700	1 10	030	030
Corrugated Boxes	2.520	2.760	6,390	11.530	20.330	20.690	21.440	22.100	22.630
Milk Cartons	2,520	2,700	Neg.	Neg.	20,330 Neg.	20,090 Neg.	Neg.	Neg.	22,030 Neg.
Folding Cartons			520	340	410	450	450	680	890
Other Paperboard Packaging									
Bags and Sacks			Neg.	Neg. 200	Neg. 300	Neg. 310	Neg. 270	Neg. 280	Neg. 340
			Neg.				l		
Wrapping Papers	000	050	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Other Paper Packaging	220	350	300	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Paper & Board Pkg	2,740	3,110	7,210	12,070	21,040	21,450	22,160	23,060	23,860
Plastics Packaging			40	4.40	000	070		000	000
Soft Drink Bottles			. 10	140	290	270	290	290	290
Milk Bottles			Neg.	20	210	220	230	230	220
Other Containers	Neg.	Neg.	Neg.	20	260	280	440	440	460
Bags and Sacks									
Wraps			l		400	400	400	000	000
Subtotal Bags, Sacks, and Wraps			Neg.	60	180	180	190	230	360
Other Plastics Packaging	Neg.	Neg.	Neg.	20	90	90	90	90	180
Total Plastics Packaging	Neg.	Neg.	. 10	260	1,030	1,040	1,240	1,280	1,510
Wood Packaging	Neg.	Neg.	Neg.	130	1,240	1,260	1,290	1,310	1,310
Other Misc. Packaging	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Containers & Pkg	2,870	3,350	8,490	16,780	28,740	28,820	29,790	30,600	31,990
Total Product Wastes†	5,610	8,020	14,520	29,040	52,810	53,820	57,460	58,570	61,010
Other Wastes									
Food Scraps	Neg.	Neg.	Neg.	Neg.	680	740	660	690	680
Yard Trimmings	Neg.	Neg.	Neg.	4,200	15,770	16,000	19,810	19,860	20,100
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	4,200	16,450	16,740	20,470	20,550	20,780
Total MSW Recovered - Weight	5,610	8,020	14,520	33,240	69,260	70,560	77,930	79,120	81,790

^{*} Recovery of postconsumer wastes; does not include converting/fabrication scrap.

Details may not add to totals due to rounding.

Neg. = Less than 5,000 tons or 0.05 percent.

Source: Franklin Associates, A Division of ERG

[†] Other than food products.

Table 21

RECOVERY* OF PRODUCTS IN MUNICIPAL SOLID WASTE, 1960 TO 2006
(WITH DETAIL ON CONTAINERS AND PACKAGING)
(In percent of generation of each product)

Percent of Gen	eration of	Each Pro	duct						
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	3.5%	6.4%	6.2%	11.6%	17.6%	19.0%	19.1%	18.8%	18.5%
(Detail in Table 13)									
Nondurable Goods	13.8%	14.9%	13.6%	16.9%	27.4%	28.5%	30.6%	31.7%	33.6%
(Detail in Table 16)									
Containers and Packaging							ı.		•
Glass Packaging									
Beer and Soft Drink Bottles	6.4%	2.5%	10.8%	33.5%	26.8%	30.7%	30.7%	30.6%	30.7%
Wine and Liguor Bottles	Neg.	Neg.	Neg.	10.3%	22.5%	15.0%	15.3%	14.7%	15.0%
Food and Other Bottles & Jars	Neg.	Neg.	Neg.	12.5%	26.9%	14.8%	14.9%	15.0%	14.9%
Total Glass Packaging	1.6%	1.3%	5.4%	22.1%	26.1%	25.1%	25.1%	25.2%	25.3%
Steel Packaging	1.070	1.070	0.170	LL.170	20.170	20.170	20.170	20.270	20.070
Beer and Soft Drink Cans	1.6%	1.3%	9.6%	26.7%	Neg.	Neg.	Neg.	Neg.	Neg.
Food and Other Cans	Neg.	1.7%	5.3%	23.2%	58.2%	58.7%	61.2%	62.9%	62.9%
Other Steel Packaging	Neg.	Neg.	Neg.	30.0%	66.7%	66.7%	66.7%	66.7%	66.7%
Total Steel Packaging	•	1.5%	5.5%	23.9%	58.9%	59.4%	61.7%	63.3%	63.3%
Aluminum Packaging	Neg.	1.570	3.376	23.370	30.376	33.470	01.776	03.376	03.376
Beer and Soft Drink Cans	Non	10.00/	37.6%	63.9%	54.6%	48.3%	45.3%	44.8%	45.1%
Other Cans	Neg.	10.0%							
	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Foil and Closures	Neg.	Neg.	Neg.	6.1%	7.9%	10.0%	10.3%	10.0%	9.5%
Total Aluminum Pkg	Neg.	1.8%	25.2%	53.2%	44.1%	39.2%	37.0%	36.3%	35.6%
Paper & Paperboard Pkg	0.4.407	04.00/	07.40/	40.007	07.00/	00.70/	00.40/	74 50/	70.00/
Corrugated Boxes	34.4%	21.6%	37.4%	48.0%	67.3%	68.7%	68.1%	71.5%	72.0%
Milk Cartons			Neg.						
Folding Cartons			Neg.	Neg.	7.0%	8.1%	8.1%	12.3%	16.0%
Other Paperboard Packaging			Neg.						
Bags and Sacks			Neg.	Neg.	20.1%	21.5%	21.3%	25.0%	25.4%
Wrapping Papers			Neg.	Neg.		Neg.			
Other Paper Packaging	7.5%	9.2%	35.3%	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Paper & Board Pkg	19.4%	14.5%	27.4%	36.9%	52.7%	54.3%	54.9%	58.2%	59.0%
Plastics Packaging									
Soft Drink Bottles			3.8%	32.6%	34.9%	31.0%	34.1%	34.1%	30.9%
Milk Bottles			Neg.	3.8%	30.4%	31.0%	28.8%	28.8%	31.0%
Other Containers	Neg.	Neg.	Neg.	1.4%	9.9%	9.6%	14.0%	14.1%	13.4%
Bags and Sacks									
Wraps									
Subtotal Bags, Sacks, and Wraps			Neg.	2.4%	4.3%	4.0%	4.0%	5.2%	7.8%
Other Plastics Packaging	Neg.	Neg.	Neg.	1.0%	2.6%	2.4%	2.0%	2.0%	4.0%
Total Plastics Packaging	Neg.	Neg.	Neg.	3.8%	8.7%	8.2%	8.9%	9.4%	10.6%
Wood Packaging	Neg.	Neg.	Neg.	1.6%	15.3%	15.3%	15.3%	15.4%	15.4%
Other Misc. Packaging	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Containers & Pkg	10.5%	7.7%	16.1%	26.0%	37.8%	37.8%	37.9%	39.6%	40.2%
Total Product Wastes†	10.3%	9.6%	13.3%	19.8%	29.8%	30.5%	31.2%	32.2%	33.2%
Other Wastes								,	
Food Scraps	Neg.	Neg.	Neg.	Neg.	2.5%	2.7%	2.2%	2.3%	2.2%
Yard Trimmings	Neg.	Neg.	Neg.	12.0%	51.7%	51.3%	62.4%	61.9%	62.0%
Miscellaneous Inorganic Wastes	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Other Wastes	Neg.	Neg.	Neg.	7.2%	26.9%	26.7%	31.4%	31.0%	30.8%
					29.1%				
Total MSW Recovered - %	6.4%	6.6%	9.6%	16.2%	29.1%	29.5%	31.3%	31.9%	32.5%

 $^{^{\}star}\,$ Recovery of postconsumer wastes; does not include converting/fabrication scrap.

Details may not add to totals due to rounding.

Neg. = Less than 5,000 tons or 0.05 percent.

Source: Franklin Associates, A Division of ERG

[†] Other than food products.

Table 22

PRODUCTS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006
(WITH DETAIL ON CONTAINERS AND PACKAGING)
(In thousands of tons)

				Thou	ısands of	Tons			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	9,570	13,720	20,440	26,350	30,470	31,120	32,280	32,710	32,740
(Detail in Table 14)									
Nondurable Goods	14,940	21,330	29,750	43,370	46,560	44,430	45,530	43,920	42,590
(Detail in Table 17)									
Containers and Packaging									
Glass Packaging									
Beer and Soft Drink Bottles	1,310	5,440	6,010	3,750	4,180	4,880	4,860	4,980	5,200
Wine and Liquor Bottles	1,070	1,890	2,430	1,820	1,480	1,360	1,330	1,450	1,420
Food and Other Bottles & Jars	3,710	4,440	4,780	3,640	2,500	1,900	1,940	1,760	1,890
Total Glass Packaging	6,090	11,770	13,220	9,210	8,160	8,140	8,130	8,190	8,510
Steel Packaging									
Beer and Soft Drink Cans	630	1,550	470	110	Neg.	Neg.	Neg.	Neg.	Neg.
Food and Other Cans	3,740	3,480	2,700	1,950	1,100	1,000	950	790	930
Other Steel Packaging	260	270	240	140	80	80	80	80	80
Total Steel Packaging	4,630	5,300	3,410	2,200	1,180	1,080	1,030	870	1,010
Aluminum Packaging					·				
Beer and Soft Drink Cans	Neg.	90	530	560	690	770	810	800	790
Other Cans	Neg.	60	40	20	50	50	50	50	80
Foil and Closures	170	410	380	310	350	360	350	360	380
Total Aluminum Pkg	170	560	950	890	1,090	1,180	1,210	1,210	1,250
Paper & Paperboard Pkg					,		, ·	· ·	,
Corrugated Boxes	4,810	10,000	10,690	12,480	9,880	9,420	10,050	8,830	8,800
Milk Cartons	,	.,	790	510	550	530	470	500	510
Folding Cartons			3,300	3,960	5,410	5,100	5,090	4,850	4,680
Other Paperboard Packaging	3,840	4,830	230	290	200	180	170	160	160
Bags and Sacks	-,	.,	3,380	2,240	1.190	1,130	1.000	840	1.000
Wrapping Papers			200	110	Neg.	Neg.	Neg.	Neg.	Neg.
Other Paper Packaging	2,720	3,460	550	1,020	1,670	1,720	1,460	1,400	1,430
Total Paper & Board Pkg	11,370	18,290	19,140	20,610	18,900	18,080	18,240	16,580	16,580
Plastics Packaging	,	-,	., .	.,	-,			-,	.,
Soft Drink Bottles			250	290	540	600	560	560	650
Milk Bottles			230	510	480	490	570	570	490
Other Containers	60	910	890	1,410	2,370	2,650	2,710	2,670	2,970
Bags and Sacks				, -	,	,	, -	,	,
Wraps									
Subtotal Bags, Sacks, and Wraps			1,230	2,410	4,020	4,300	4,560	4,220	4,270
Other Plastics Packaging	60	1,180	790	2,020	3,420	3,610	4,320	4,350	4,340
Total Plastics Packaging	120	2,090	3,390	6,640	10,830	11,650	12,720	12,370	12,720
Wood Packaging	2,000	2,070	3,940	8,050	6,880	6,990	7,140	7,210	7,170
Other Misc. Packaging	120	130	130	150	240	240	290	280	390
Total Containers & Pkg	24,500	40,210	44.180	47,750	47,280	47,360	48,760	46,710	47,630
Total Product Wastes†	49,010	75,260	94,370	117,470	124,310	122,910	126,570	123,340	122,960
Other Wastes	10,010	1 . 0,200] 31,370	[,	1.2.,0.0	,	1.20,0.0	1.20,0.10	1.22,000
Food Scraps	12,200	12,800	13,000	20,800	26,430	27,180	29,070	29,790	30,570
Yard Trimmings	20,000	23,200	27,500	30,800	14,760	15,160	11,960	12,210	12,300
Miscellaneous Inorganic Wastes	1,300	1,780	2,250	2,900	3,500	3,580	3,650	3,690	3,720
Total Other Wastes	33,500	37,780	42,750	54,500	44,690	45,920	44,680	45,690	46,590
	82,510		137,120	171,970	169,000		171,250	169,030	
Total MSW Discarded - Weight	82,510	113,040	137,120	171,970	109,000	168,830	177,250	169,030	169,550

^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

Neg. = Less than 5,000 tons or 0.05 percent. Details may not add to totals due to rounding.

[†] Other than food products.

Table 23

PRODUCTS DISCARDED* IN THE MUNICIPAL WASTE STREAM, 1960 TO 2006
(WITH DETAIL ON CONTAINERS AND PACKAGING)
(In percent of total discards)

				Percent	of Total [Discards			
Products	1960	1970	1980	1990	2000	2002	2004	2005	2006
Durable Goods	11.6%	12.1%	14.9%	15.3%	18.0%	18.4%	18.8%	19.4%	19.3%
(Detail in Table 14)									
Nondurable Goods	18.1%	18.9%	21.7%	25.2%	27.6%	26.3%	26.6%	26.0%	25.1%
(Detail in Table 17)									
Containers and Packaging									
Glass Packaging									
Beer and Soft Drink Bottles	1.6%	4.8%	4.4%	2.2%	2.5%	2.9%	2.8%	2.9%	3.1%
Wine and Liquor Bottles	1.3%	1.7%	1.8%	1.1%	0.9%	0.8%	0.8%	0.9%	0.8%
Food and Other Bottles & Jars	4.5%	3.9%	3.5%	2.1%	1.5%	1.1%	1.1%	1.0%	1.19
Total Glass Packaging	7.4%	10.4%	9.6%	5.4%	4.8%	4.8%	4.7%	4.8%	5.0%
Steel Packaging									
Beer and Soft Drink Cans	0.8%	1.4%	0.3%	0.1%	Neg.	Neg.	Neg.	Neg.	Neg
Food and Other Cans	4.5%	3.1%	2.0%	1.1%	0.7%	0.6%	0.6%	0.5%	0.5%
Other Steel Packaging	0.3%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Steel Packaging	5.6%	4.7%	2.5%	1.3%	0.7%	0.6%	0.6%	0.5%	0.6%
Aluminum Packaging									
Beer and Soft Drink Cans	Neg.	0.1%	0.4%	0.3%	0.4%	0.5%	0.5%	0.5%	0.5%
Other Cans	Neg.	0.05%							
Foil and Closures	0.2%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Total Aluminum Pkg	0.2%	0.5%	0.7%	0.5%	0.6%	0.7%	0.7%	0.7%	0.7%
Paper & Paperboard Pkg									
Corrugated Boxes	5.8%	8.8%	7.8%	7.3%	5.8%	5.6%	5.9%	5.2%	5.2%
Milk Cartons		0.070	0.6%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Folding Cartons			2.4%	2.3%	3.2%	3.0%	3.0%	2.9%	2.8%
Other Paperboard Packaging	4.7%	4.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%
Bags and Sacks	,	1.070	2.5%	1.3%	0.7%	0.7%	0.6%	0.5%	0.6%
Wrapping Papers			0.1%	0.1%	Neg.	Neg.	Neg.	Neg.	Neg
Other Paper Packaging	3.3%	3.1%	0.4%	0.6%	1.0%	1.0%	0.9%	0.8%	0.8%
Total Paper & Board Pkg	13.8%	16.2%	14.0%	12.0%	11.2%	10.7%	10.7%	9.8%	9.8%
Plastics Packaging	10.070	10.270	14.070	12.070	11.270	10.770	10.770	0.070	0.07
Soft Drink Bottles			0.2%	0.2%	0.3%	0.4%	0.3%	0.3%	0.4%
Milk Bottles			0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Other Containers	0.1%	0.8%	0.6%	0.8%	1.4%	1.6%	1.6%	1.6%	1.8%
Bags and Sacks	0.170	0.070	0.070	0.070	1.470	1.070	1.070	1.070	1.07
Wraps									
Subtotal Bags, Sacks, and Wraps			0.9%	1.4%	2.4%	2.5%	2.7%	2.5%	2.5%
Other Plastics Packaging	0.1%	1.0%	0.6%	1.2%	2.0%	2.1%	2.5%	2.6%	2.6%
Total Plastics Packaging	0.1%	1.8%	2.5%	3.9%	6.4%	6.9%	7.4%	7.3%	7.5%
Wood Packaging	2.4%	1.8%	2.9%	4.7%	4.1%	4.1%	4.2%	4.3%	4.2%
Other Misc. Packaging	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
<u> </u>	1								
Total Containers & Pkg Total Product Wastes†	29.7% 59.4%	35.6% 66.6%	32.2% 68.8%	27.8% 68.3%	28.0% 73.6%	28.1% 72.8%	28.5% 73.9%	27.6% 73.0%	28.1% 72.5%
Other Wastes	59.470	00.0%	00.0%	00.5%	13.0%	12.070	13.9%	13.0%	12.5%
Food Scraps	14.8%	11.3%	9.5%	12.1%	15.6%	16.1%	17.0%	17.6%	18.0%
•	24.2%	20.5%	20.1%	17.9%	8.7%	9.0%	7.0%	7.2%	7.3%
Yard Trimmings	1.6%	1.6%	1.6%		8.7% 2.1%		7.0% 2.1%	2.2%	2.29
Miscellaneous Inorganic Wastes				1.7%		2.1% 27.2%			
Total Other Wastes	40.6%	33.4%	31.2%	31.7%	26.4%		26.1%	27.0%	27.5%
Total MSW Discarded - %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

^{*} Discards after materials and compost recovery. In this table, discards include combustion with energy recovery. Does not include construction & demolition debris, industrial process wastes, or certain other wastes.

Neg. = Less than 5,000 tons or 0.05 percent. Details may not add to totals due to rounding.

[†] Other than food products.

Table 24
SELECTED EXAMPLES OF SOURCE REDUCTION PRACTICES

		MSW Prod	uct Categories	
Source Reduction Practice	Durable Goods	Nondurable Goods	Containers & Packaging	Organics
Redesign				
Materials reduction	Downgauge metals in appliances	Paperless purchase orders	Concentrates	Xeriscaping
Materials substitution	Use of composites in appliances and electronic circuitry		Cereal in bags Coffee brick Multi-use products	
Lengthen life	High mileage tires Electronic components reduce moving parts	Regular servicingLook at warrantiesExtend warranties	Design for secondary uses	
Consumer Practices				
	Purchase long lived products	Repair Duplexing Sharing Reduce unwanted mail	Purchasing: products in bulk, concentrates	
Reuse				
By design	• Modular design	• Envelopes	Reusable palletsReturnable secondary packaging	
Secondary	Borrow or rent for temporary use Give to charity Buy or sell at garage sales	Clothing Waste paper scratch pads	Loosefill Grocery sacks Dairy containers Glass and plastic jars	
Reduce/Eliminate Toxins				
	Eliminate PCBs	Soy ink, waterbased Waterbased solvents Reduce mercury	Replace lead foil on wine bottles	
Reduce Organics				
Food scraps				Backyard composting Vermi-composting
Yard trimmings				Backyard composting Grasscycling

Table 25

NUMBER AND POPULATION SERVED BY
CURBSIDE RECYCLABLES COLLECTION PROGRAMS, 2006

	Number of	Population	Population Served		
Region	Programs	(in thousands)	(in thousands)	Percent*	
NORTHEAST	3,299	50,613	42,639	84%	
SOUTH	797	83,332	25,028	30%	
MIDWEST	3,749	46,347	28,159	61%	
WEST	814	63,384	48,244	76%	
Total	8,659	243,675	144,070	59%	
Percent of Total U.S. Population		299,398	144,070	48%	

^{*} Percent of population served by curbside programs was calculated using population of states reporting data.

Source: U.S. Census Bureau 2006, *BioCycle* April 2006, California Integrated Waste Management Board, Illinois Recycling Association, www.coloradocurbside.com, Nebraska State Recycling Assocation, Pennsylvania Department of Environmental Protection

Table 26
MATERIALS RECOVERY FACILITIES, 2006

Region	Number	Estimated Throughput (tpd)
NORTHEAST	140	24,351
SOUTH	156	20,782
MIDWEST	132	18,793
WEST	117	22,042
U.S. Total	545	85,967

Source: Governmental Advisory Associates, Inc.

Table 27
MUNICIPAL WASTE-TO-ENERGY PROJECTS, 2006

Region	Number Operational	Design Capacity (tpd)
NORTHEAST	40	46,537
SOUTH	24	31,131
MIDWEST	16	10,912
WEST	6	4,280
U.S. Total*	86	92,860

Projects on hold or inactive were not included.
 Facilities in Hawaii and Alaska not included.
 WTE includes mass burn, modular, and refuse-derived fuel-combustion facilities.

Source: "The IWSA Directory of Waste-To-Energy Plants." Integrated Waste Services Association, 2007.

Table 28 LANDFILL FACILITIES, 2006

	Number of Landfills *
Region	
NORTHEAST	133
SOUTH	676
MIDWEST	425
WEST	520
U.S. Total *	1,754

^{*} Excludes landfills in Alaska and Hawaii.
Source: BioCycle April 2006.
Revised with data from Alabama Department of
Environmental Management, Arizona
Department of Environmental Quality, Arkansas
Department of Environmental Quality,
California Integrated Waste Management Board,
Colorado Department of Public Health and
Environment, and Louisiana Department of
Environmental Quality.

Table 29

GENERATION, MATERIALS RECOVERY, COMPOSTING, COMBUSTION, AND DISCARDS OF MUNICIPAL SOLID WASTE, 1960 TO 2006 (In thousands of tons and percent of total generation)

	Thousands of Tons								
	1960	1970	1980	1990	2000	2002	2004	2005	2006
Generation	88,120	121,060	151,640	205,210	238,260	239,390	249,180	248,150	251,340
Recovery for recycling	5,610	8,020	14,520	29,040	52,810	53,820	57,460	58,570	61,010
Recovery for composting*	Neg.	Neg.	Neg.	4,200	16,450	16,740	20,470	20,550	20,780
Total Materials Recovery	5,610	8,020	14,520	33,240	69,260	70,560	77,930	79,120	81,790
Discards after recovery	82,510	113,040	137,120	171,970	169,000	168,830	171,250	169,030	169,550
Combustion with									
energy recovery**	0	400	2,700	29,700	33,730	33,350	34,390	33,400	31,380
Discards to landfill,									
other disposal†	82,510	112,640	134,420	142,270	135,270	135,480	136,860	135,630	138,170
		Pounds per Person per Day							
	1960	1970	1980	1990	2000	2002	2004	2005	2006
Generation	2.68	3.25	3.66	4.50	4.64	4.55	4.65	4.59	4.60
Recovery for recycling	0.17	0.22	0.35	0.64	1.03	1.02	1.07	1.08	1.12
Recovery for composting*	Neg.	Neg.	Neg.	0.09	0.32	0.32	0.38	0.38	0.38
Total Materials Recovery	0.17	0.22	0.35	0.73	1.35	1.34	1.45	1.46	1.50
Discards after recovery	2.51	3.03	3.31	3.77	3.29	3.21	3.20	3.12	3.10
Combustion with									
energy recovery**	0.00	0.01	0.07	0.65	0.66	0.63	0.64	0.62	0.57
Discards to landfill,									
other disposal†	2.51	3.02	3.24	3.12	2.63	2.58	2.55	2.51	2.53
Population (thousands)	179,979	203,984	227,255	249,907	281,422	287,985	293,660	296,410	299,398
***************************************				Percent	of Total G	eneration			
	1960	1970	1980	1990	2000	2002	2004	2005	2006
Generation	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Recovery for recycling	6.4%	6.6%	9.6%	14.2%	22.2%	22.5%	23.1%	23.6%	24.3%
Recovery for composting*	Neg.	Neg.	Neg.	2.0%	6.9%	7.0%	8.2%	8.3%	8.3%
Total Materials Recovery	6.4%	6.6%	9.6%	16.2%	29.1%	29.5%	31.3%	31.9%	32.5%
Discards after recovery	93.6%	93.4%	90.4%	83.8%	70.9%	70.5%	68.7%	68.1%	67.5%
Combustion with									
energy recovery**	0.0%	0.3%	1.8%	14.5%	14.2%	13.9%	13.8%	13.5%	12.5%
Discards to landfill,									
other disposal†	93.6%	93.1%	88.6%	69.3%	56.8%	56.6%	54.9%	54.7%	55.0%

^{*} Composting of yard trimmings, food scraps and other MSW organic material. Does not include backyard composting.

^{**} Includes combustion of MSW in mass burn or refuse-derived fuel form, and combustion with energy recovery of source separated materials in MSW (e.g., wood pallets and tire-derived fuel).

[†] Discards after recovery minus combustion with energy recovery. Discards include combustion without energy recovery. Details may not add to totals due to rounding.

Figure 1: Definition of terms

The materials flow methodology produces an estimate of total municipal solid waste generation in the United States, by material categories and by product categories.

The term *generation* as used in this report refers to the weight of materials and products as they enter the waste management system from residential, commercial, institutional, and industrial sources and before materials recovery or combustion takes place. Preconsumer (industrial) scrap is not included in the generation estimates. Source reduction activities (e.g., backyard composting of yard trimmings) take place *ahead of* generation.

Source reduction activities reduce the amount or toxicity of wastes before they enter the municipal solid waste management system. Reuse is a source reduction activity involving the recovery or reapplication of a package, used product, or material in a manner that retains its original form or identity. Reuse of products such as refillable glass bottles, reusable plastic food storage containers, or refurbished wood pallets is considered to be source reduction, not recycling.

Recovery of materials as estimated in this report includes products and yard trimmings removed from the waste stream for the purpose of recycling (including composting). For recovered products, recovery equals reported purchases of postconsumer recovered material (e.g., glass cullet, old newspapers) plus net exports (if any) of the material. Thus, recovery of old corrugated containers (OCC) is the sum of OCC purchases by paper mills plus net exports of OCC. If recovery as reported by a data source includes converting or fabrication (preconsumer) scrap, the preconsumer scrap is *not* counted towards the recovery estimates in this report. Imported secondary materials are also not counted in recovery estimates in this report. For some materials, additional uses, such as glass used for highway construction or newspapers used to make insulation, are added into the recovery totals.

Combustion of MSW with energy recovery, often called "waste-to-energy," is estimated in this report. Combustion of separated materials—wood and rubber from tires—is included in the estimates of combustion with energy recovery in this report.

Discards include MSW remaining after recovery for recycling (including composting). These discards presumably would be combusted without energy recovery or landfilled, although some MSW is littered, stored or disposed onsite, or burned onsite, particularly in rural areas. No good estimates for these other disposal practices are available, but the total amounts of MSW involved are presumed to be small.

Figure 2. Paper and paperboard products generated in MSW, 2006

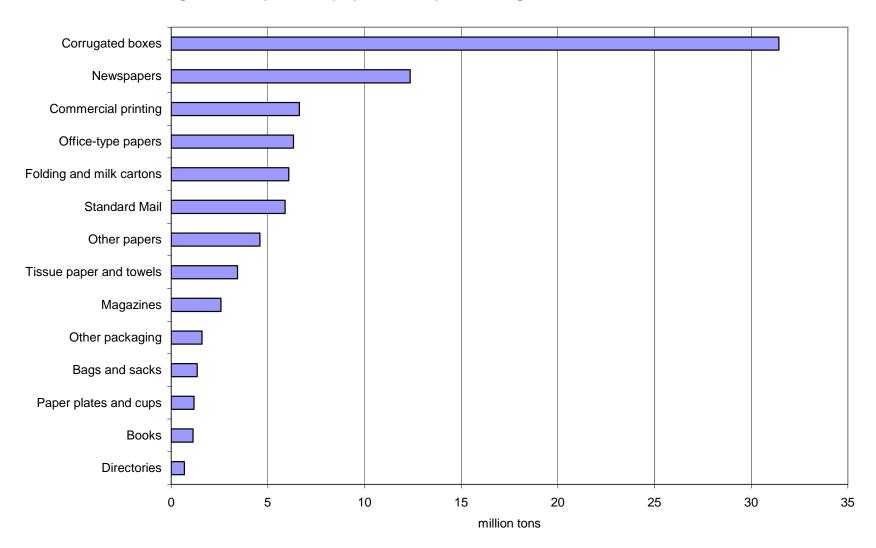


Figure 3. Paper and paperboard generation and recovery, 1960 to 2006

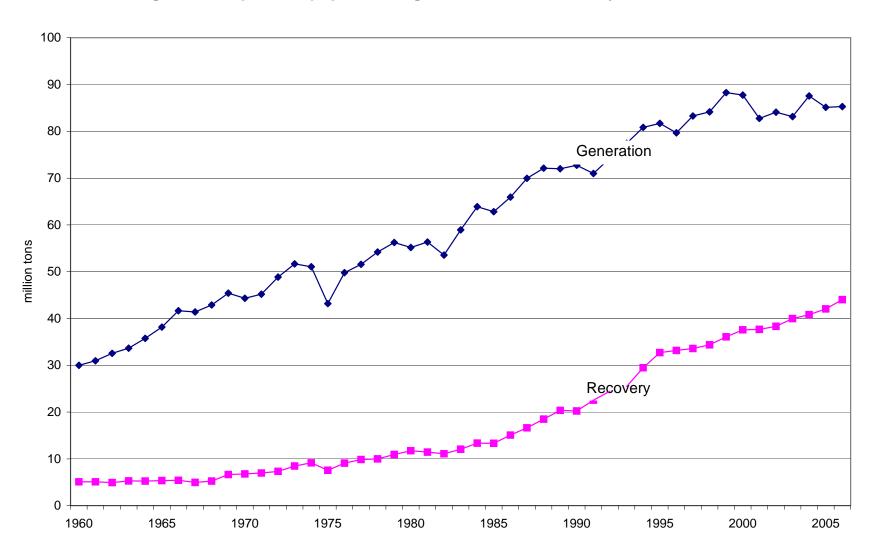


Figure 4. Glass products generated in MSW, 2006

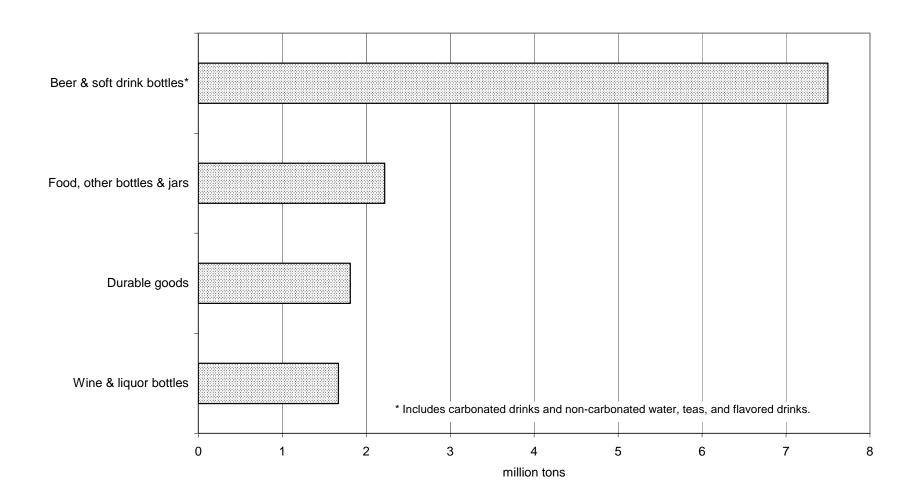


Figure 5. Glass generation and recovery, 1960 to 2006

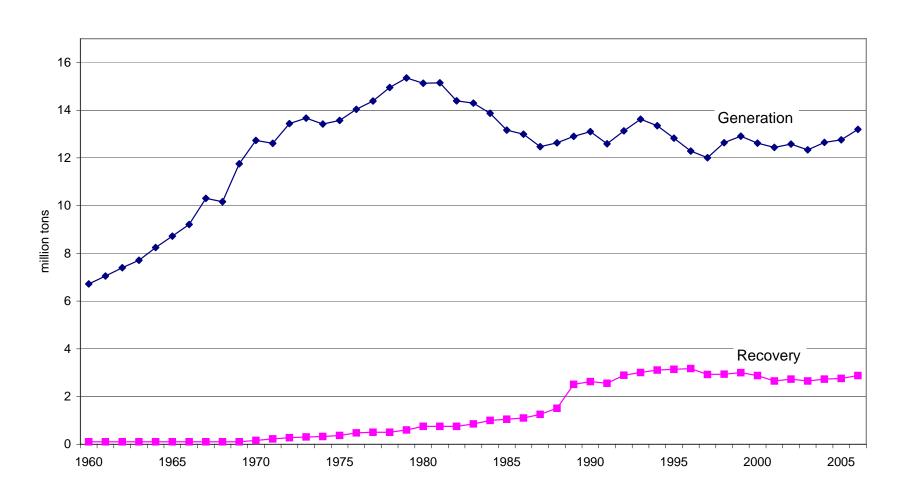


Figure 6. Metal products generated in MSW, 2006

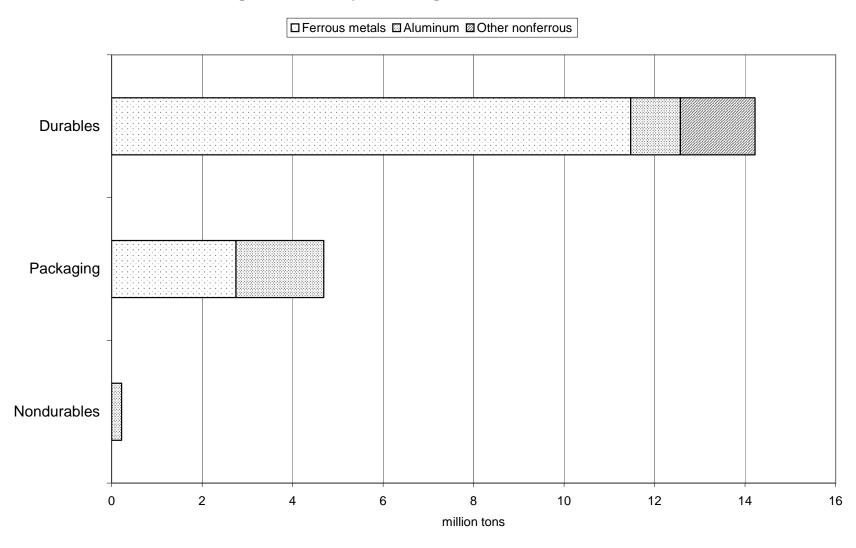


Figure 7. Metals generation and recovery, 1960 to 2006

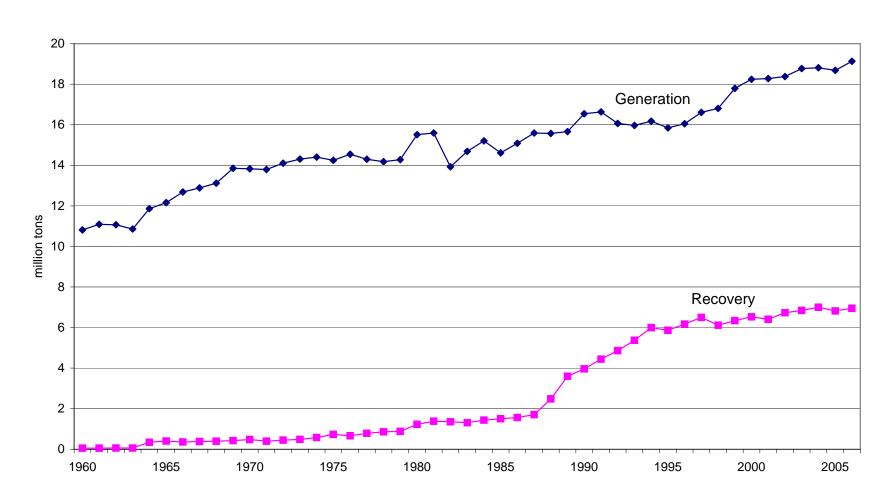


Figure 8. Plastics products generated in MSW, 2006

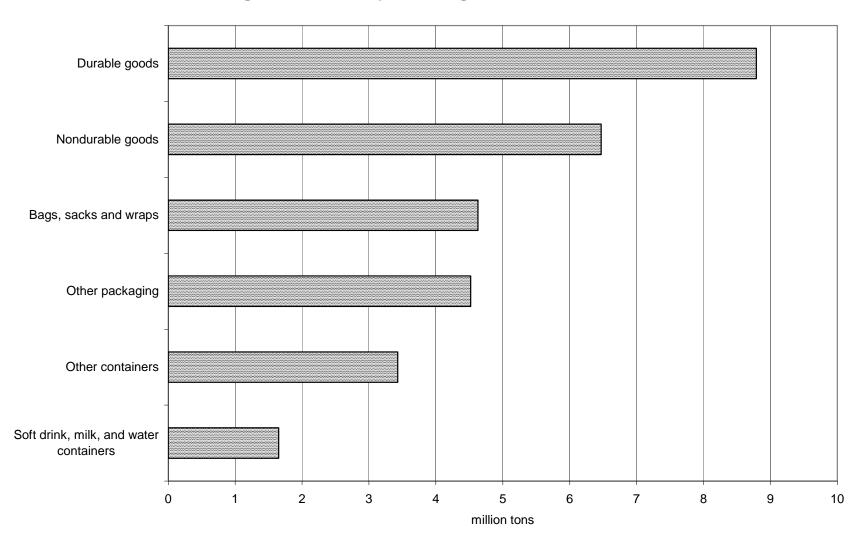
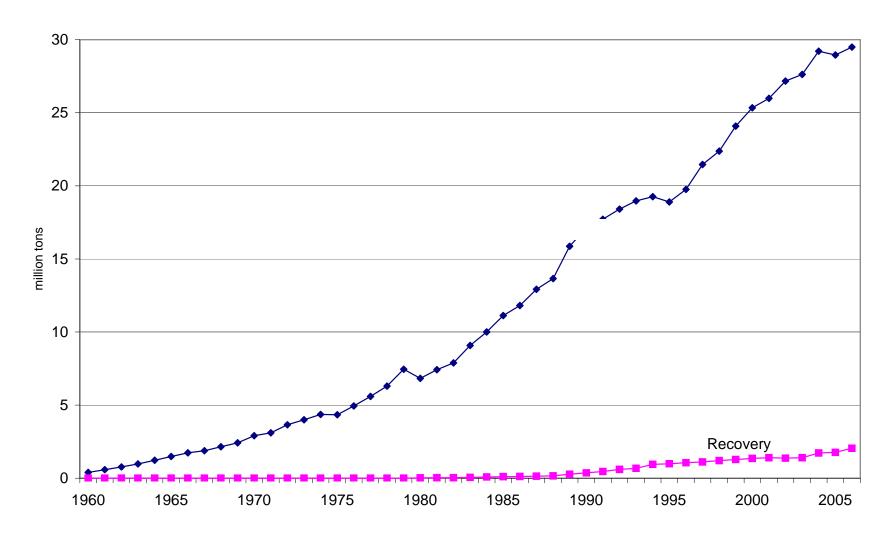


Figure 9. Plastics generation and recovery, 1960 to 2006



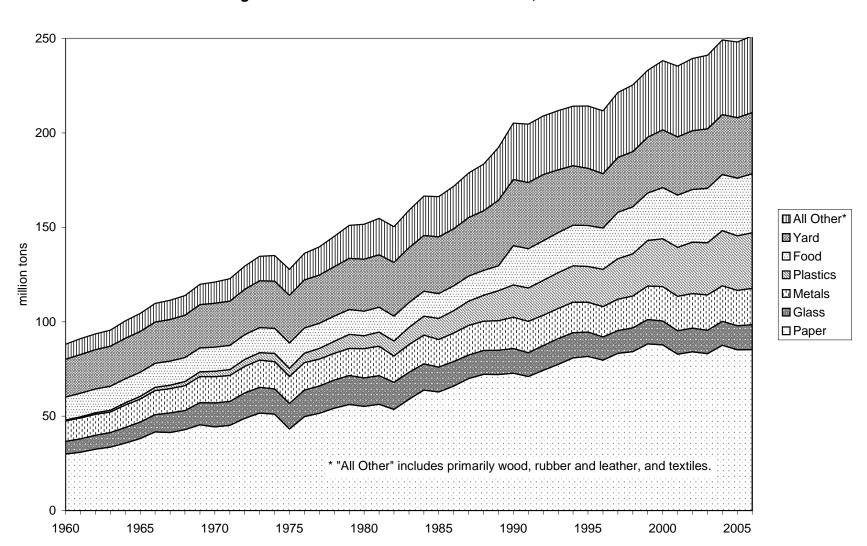


Figure 10. Generation of materials in MSW, 1960 to 2006

Figure 11. Recovery and discards of materials in MSW, 1960 to 2006

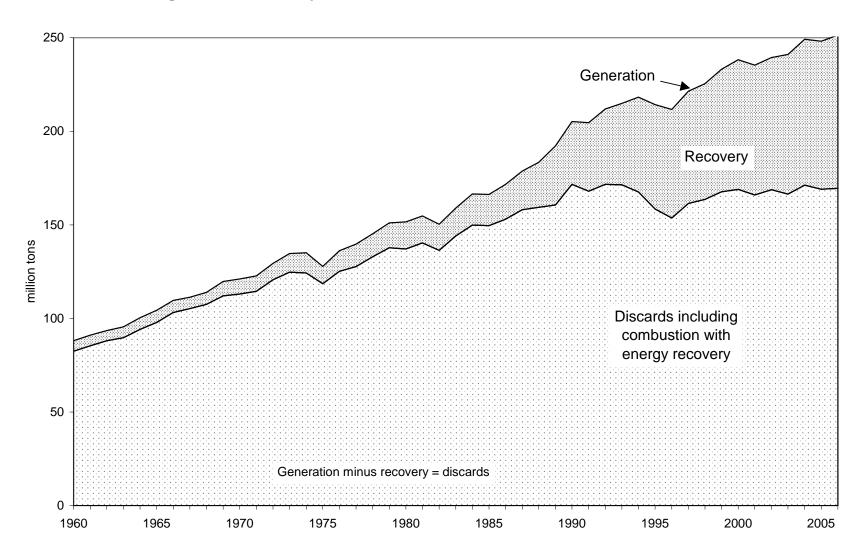
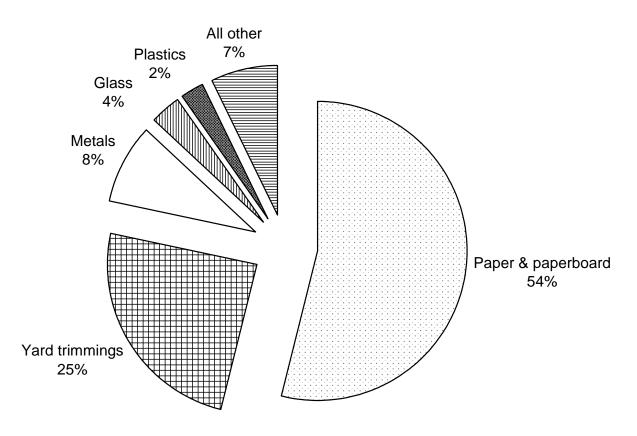
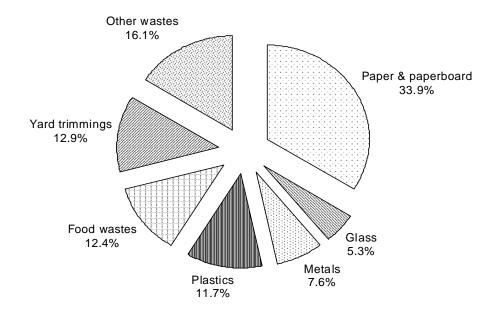


Figure 12. Materials recovery,* 2006

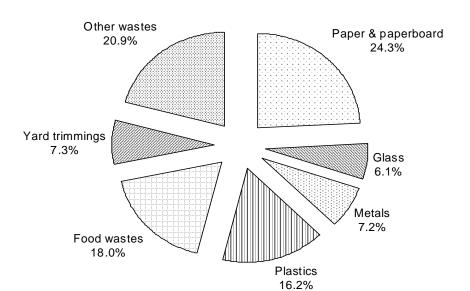


^{*} In percent by weight of total recovery

Figure 13. Materials generated and discarded* in municipal solid waste, 2006 (In percent of total generation and discards)



Generation



Discards

^{*} Discards in this figure include combustion with energy recovery.

Figure 14. Generation of products in MSW, 1960 to 2006

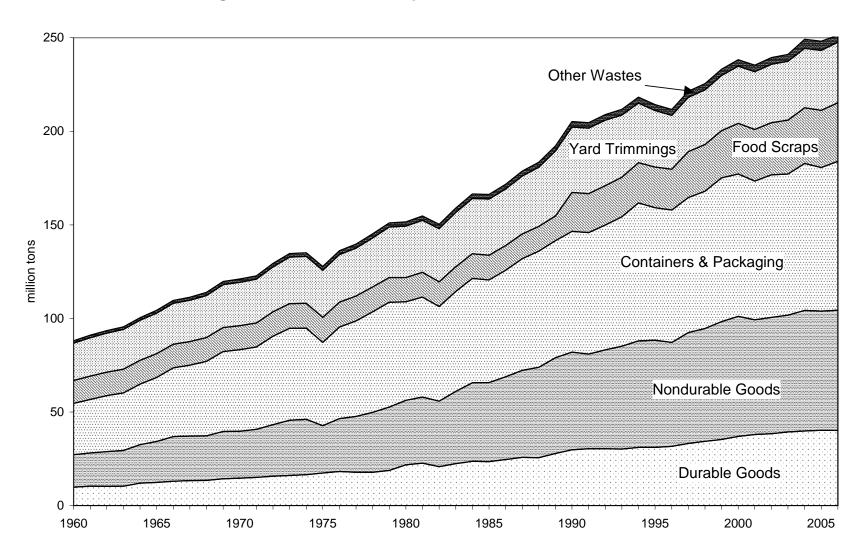
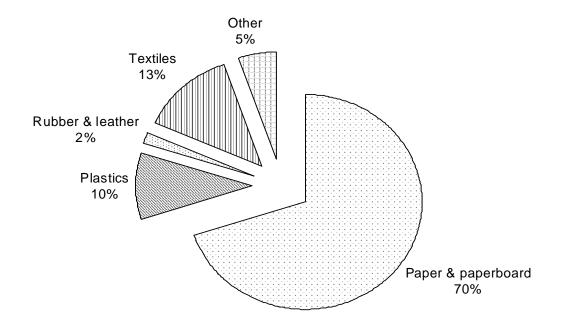
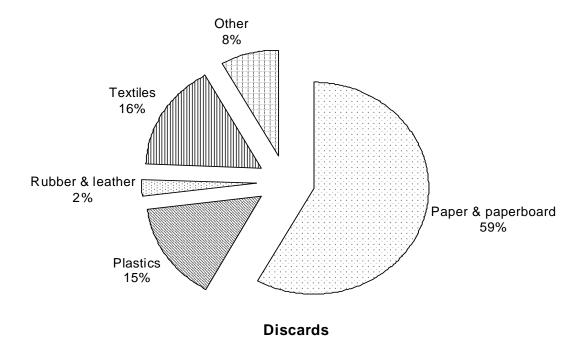


Figure 15. Nondurable goods generated and discarded* in municipal solid waste, 2006 (In percent of total generation and discards)

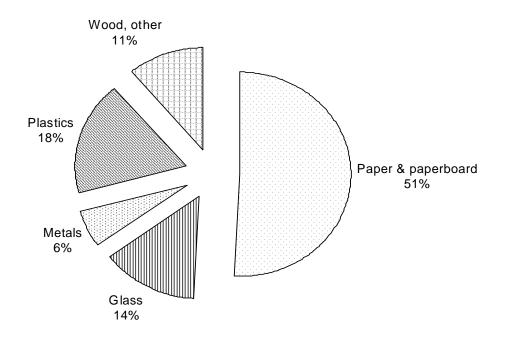


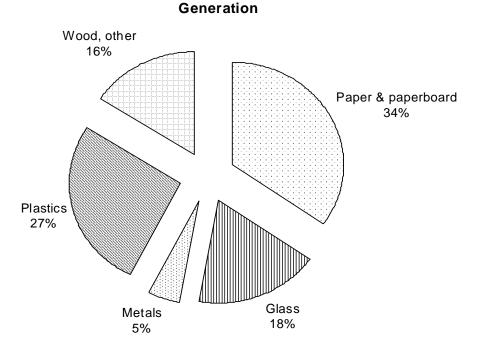
Generation



^{*}Discards in this figure include combustion with energy recovery.

Figure 16. Containers and packaging generated and discarded*
in municipal solid waste, 2006
(In percent of total generation and discards)

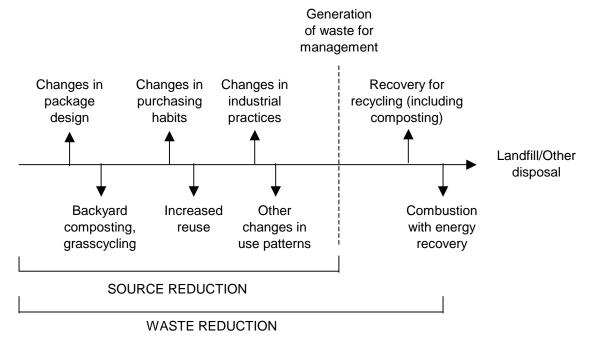




Discards

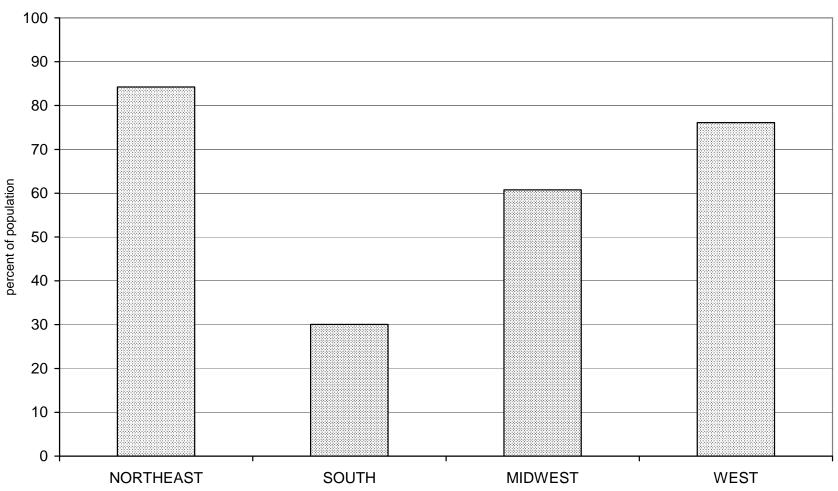
^{*}Discards in this figure include combustion with energy recovery.

Figure 17. Diagram of solid waste management



Source: Franklin Associates, A Division of ERG

Figure 18. Population served by curbside recycling, 2006

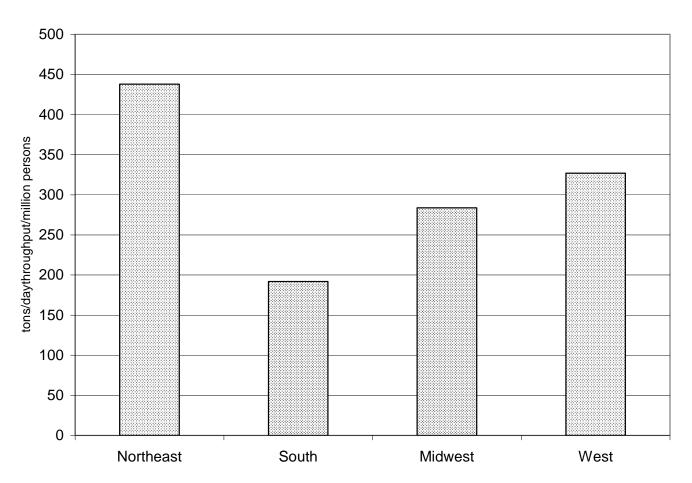


Source: U.S. Census Bureau 2006, BioCycle April 2006, California Integrated Waste Management Board, Illinois Recycling Association, www.coloradocurbside.com, Nebraska State Recycling Assocation, Pennsylvania Department of Environmental Protection

Figure 19. States With Bottle Deposit Rules

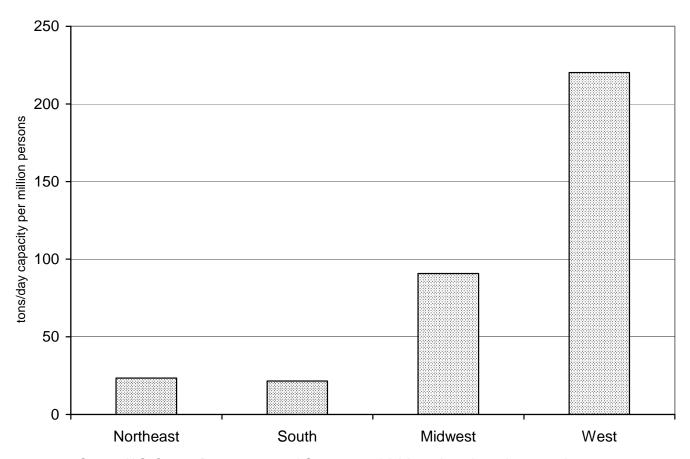
Source: Container Recycling Institute, 2006.

Figure 20. Estimated MRF throughput, 2006 (tons per day per million persons)



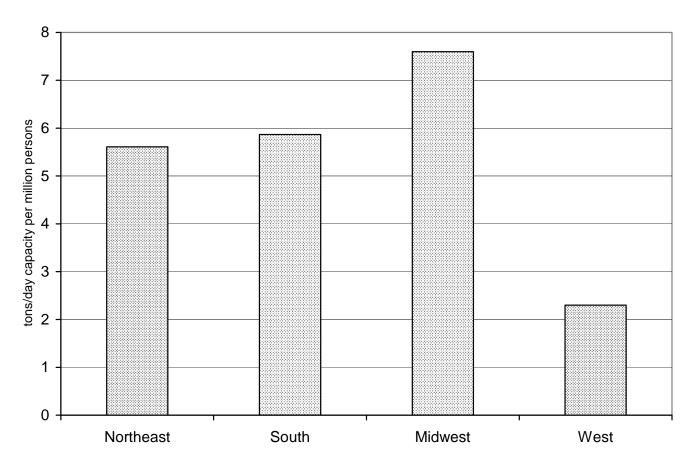
Source: U.S. Census Bureau, Governmental Advisory Associates, Inc.

Figure 21. Mixed waste processing estimated capacity, 2006 (tons per day per million persons)



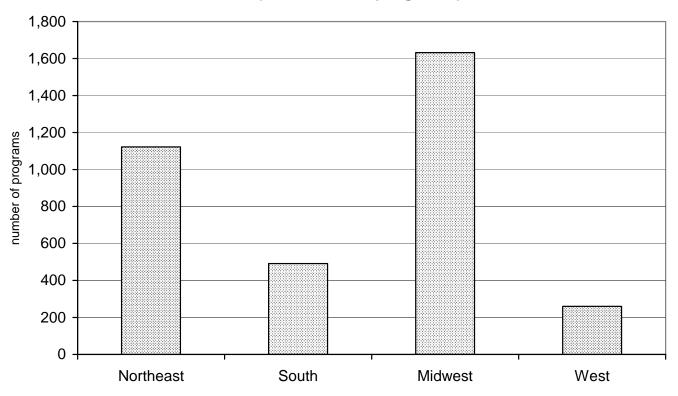
Source: U.S. Census Bureau, 2006 and Governmental Advisory Associates, Inc. 2005 data. 2006 data not available.

Figure 22. MSW composting capacity, 2006 (Capacity in tons per day per million persons)



Source: U.S. Census Bureau; BioCycle, November 2006.

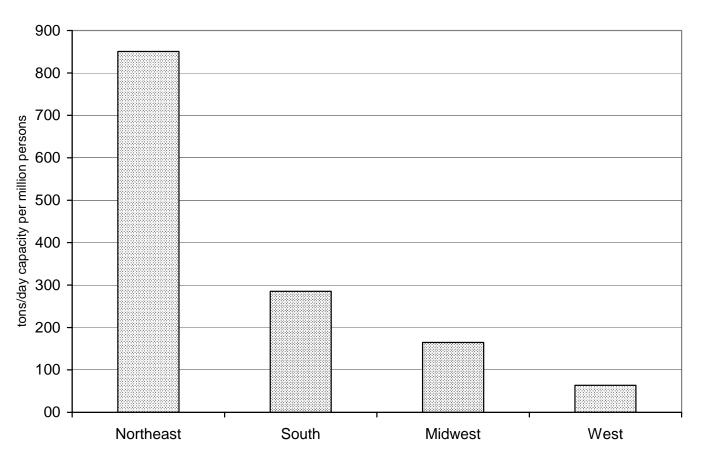
Figure 23. Yard trimmings composting programs, 2006 (In number of programs)



Source: BioCycle April 2006.

Revised wth data from Arkansas Department of Environmental Quality, California Integrated Waste Management Board, and Colorado Department of Public Health and Environment.

Figure 24. Municipal waste-to-energy capacity, 2006 (Capacity in tons per million persons)



Source: U.S. Census Bureau, Integrated Waste Services Association 2007.

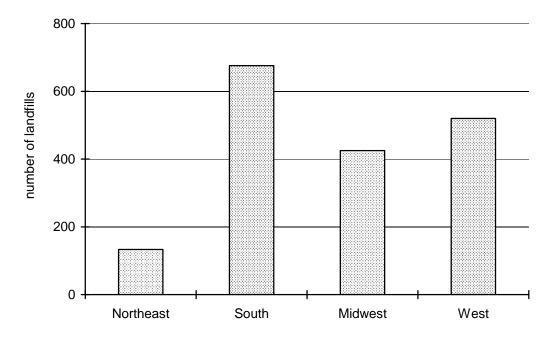


Figure 25. Number of landfills in the U.S., 2006

Source: BioCycle April 2006.

Revised with data from Alabama Department of Environmental Management, Arizona Department of Environmental Quality, Arkansas Department of Environmental Quality, California Integrated Waste Management Board, Colorado Department of Public Health and Environment, and Louisiana Department of Environmental Quality.

300 Recovery of the composting component of recycling 250 200 Recovery for recycling million tons Combustion 150 with energy_recovery 100 Landfill, other disposal 50

1980

1985

1990

1995

2000

2005

Figure 26. Municipal solid waste management, 1960 to 2006

Source: Franklin Associates, A Division of ERG

1970

1975

1965

1960